INSTALLATION/OPERATION & TECHNICAL MANUAL

INSTALLATION MANUAL FOR EXPORT UNITS
SERVICE MANUAL FOR DOMESTIC UNITS

ELECTRICALLY HEATED MODELS:

TEMPSTAR HH

TEMPSTAR HH NB

STEAM HEATED MODELS:

TEMPSTAR HH S

Jackson

Jackson WWS, INC.
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March 7, 2013
P/N 07610-002-23-32 (Revision M)

MANUFACTURERS WARRANTY

ONE YEAR LIMITED PARTS & LABOR WARRANTY

ALL NEW JACKSON DISHWASHERS ARE WARRANTED TO THE ORIGINAL PURCHASER TO BE FREE FROM DEFECTS IN MATERIAL OR WORKMANSHIP, UNDER NORMAL USE AND OPERATION FOR A PERIOD OF (1) ONE YEAR FROM THE DATE OF PURCHASE, BUT IN NO EVENT TO EXCEED (18) EIGHTEEN MONTHS FROM THE DATE OF SHIPMENT FROM THE FACTORY.

Jackson WWS,INC agrees under this warranty to repair or replace , at its discretion, any original part which fails under normal use due to faulty material or workmanship during the warranty period, providing the equipment has been unaltered, and has been properly installed, maintained and operated in accordance with the applicable factory instruction manual furnished with the machine and the failure is reported to the authorized service agency within the warranty period. This includes the use of factory specified genuine replacement parts, purchased directly from a Jackson authorized parts distributor or service agency. Use of generic replacement parts may create a hazard and void warranty certification.

The labor to repair or replace such failed part will be paid by Jackson WWS,INC, within the continental United States, Hawaii and Canada, during the warranty period provided a Jackson WWS,INC authorized service agency, or those having prior authorization from the factory, performs the service. Any repair work by persons other than a Jackson WWS,INC authorized service agency is the sole responsibility of the customer. Labor coverage is limited to regular hourly rates, overtime premiums and emergency service charges will not be paid by Jackson WWS,INC.

Accessory components not installed by the factory carry a (1) one year parts warranty only. Accessory components such as table limit switches, pressure regulators, pre rinse units, etc. that are shipped with the unit and installed at the site are included. Labor to repair or replace these components is not covered by Jackson WWS,INC.

This warranty is void if failure is a direct result from shipping, handling, fire, water, accident, misuse, acts of god, attempted repair by unauthorized persons, improper installation, if serial number has been removed or altered, or if unit is used for purpose other than it was originally intended.

TRAVEL LIMITATIONS

Jackson WWS,INC limits warranty travel time to (2) two hours and mileage to (100) one hundred miles. Jackson WWS,INC will not pay for travel time and mileage that exceeds this, or any fees such as those for air or boat travel without prior authorization.

WARRANTY REGISTRATION CARD

The warranty registration card supplied with the machine must be returned to Jackson WWS,INC within 30 days to validate the warranty.

REPLACEMENT PARTS WARRANTY

Jackson replacement parts are warranted for a period of 90 days from the date of installation or 180 days from the date of shipment from the factory, which ever occurs first.

PRODUCT CHANGES AND UPDATES

Jackson WWS,INC reserves the right to make changes in design and specification of any equipment as engineering or necessity requires.

THIS IS THE ENTIRE AND ONLY WARRANTY OF JACKSON WWS,INC. JACKSON'S LIABILITY ON ANY CLAIM OF ANY KIND, INCLUDING NEGLIGENCE, WITH RESPECT TO THE GOODS OR SERVICES COVERED HEREUNDER, SHALL IN NO CASE EXCEED THE PRICE OF THE GOODS OR SERVICES OR PART THEREOF WHICH GIVES RISE TO THE CLAIM.

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING FOR FITNESS OR MERCHANTABILITY, THAT ARE NOT SET FORTH HEREIN, OR THAT EXTEND BEYOND THE DURATION HEREOF. UNDER NO CIRCUMSTANCES WILL JACKSON WWS,INC BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, OR FOR THE DAMAGES IN THE NATURE OF PENALTIES, ARISING OUT OF THE USE OR INABILITY TO USE ANY OF ITS PRODUCTS.

ITEMS NOT COVERED

This warranty does not cover cleaning or deliming of the unit or any component such as, but not limited to, wash arms, rinse arms or strainers at anytime. Nor does it cover adjustments such as, but not limited to timer cams, thermostats or doors, beyond 30 days from the date of installation. In addition, the warranty will only cover the replacement of wear items such as curtains, drain balls, door guides or gaskets during the first 30 days after installation. Also, not covered are conditions caused by the use of incorrect (non-Commercial) grade detergents, incorrect water temperature or pressure, or hard water conditions.

CALL 1-888-800-5672 TO REGISTER THIS PRODUCT!
FAILURE TO DO SO WILL VOID THE WARRANTY!

LLAME AL 1-888-800-5672 PARA REGISTRAR ESTE PRODUCTO!
AL NO HACERLO LA GARANTIA SERA ANULADA!

S.V.P. APPELER 1-888-800-5672 POUR ENREGISTRER CE PRODUIT,
LA GARANTIE SERA ANNULEE POUR TOUT PRODUIT NON- ENREGISTREE

REVISION	REVISION DATE	MADE BY	APPLICABLE ECN	DETAILS
F	06-01-04	MAW	N/A	Chang to new layout
G	01-05-05	MAW	N/A	Corrected amerate ratings, changed to thermostat bracket 05700-011-81-64, changed thermostat 05930-121-71-29 to thermostat kit 06401-140-00-32, updated drawing for false panel installation, and added SDI override instructions
H	01-17-06	MAW	7609	Added universal timer, parts & schematics.
I	07-06-06	MAW	7713,7571, 7493,7553, 7411,7422, 7231	Updated specificaiton & dimension pages. Updated drain quench assembly. Replaced door switch 05930-003-02-20 with 05930-003-05-84. Added false panel kit numbers, door component kits.Replace ball stop components. Replace thermostat 05930-121-71-29 with 05930-510-03-79. Added the wash& rinse thermometer decals.
J	09-14-07	MAW		Obsoletings I/O manual,added warranty and repair centers infor.Listed minimum cycle times. Added Top Mount Control Box:dimensions, hood weldment, control box, and schematics.Corrected the rinse tank cover number, updated the cantilever support bracket and reed switch numbers.
K	10-08-08	ARL	7990	Added hi-limit thermostat set point instructions.
L	01-10-13	RLC	8252	Updated Schematic and control box to reflect rotary switch
M	03-07-13	RLC	QOF NDB-219	Updated Jackson Logo and company name

NOMENCLATURE FOR THE MODELS COVERED IN THIS MANUAL

Jackson

TEMPSTAR HH = Electrically heated, high temp, hot water sanitizing, with booster heater, door-type dishmachine
TEMPSTAR HH NB = Electrically heated, high temp, hot water sanitizing, no rinse booster, door-type dishmachine
TEMPSTAR HH S = Steam heated, high temp, hot water sanitizing, door-type dishmachine

Model:_____

Serial No.:_____

Installation Date:_____

Service Rep. Name:_____

Phone No.:_____

Jackson WWS,INC. provides technical support for all of the dishmachines detailed in this manual. We strongly recommend that you refer to this manual before making a call to our technical support staff. Please have this manual with you when you call so that our staff can refer you, if necessary, to the proper page. Technical support is available from 8:00 a.m. to 5:00 p.m. (EST), Monday through Friday. Technical support is not available on holidays. Contact technical support toll free at 1-888-800-5672. Please remember that technical support is available for service personnel only.

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SECTION 1:
SPECIFICATION INFORMATION

SECTION 1: SPECIFICATION INFORMATION

OPERATING CAPACITIES

PERFORMANCE/CAPABILITIES

OPERATING CAPACITY:

SELECTION (A)	
RACKS PER HOUR	53
DISHES PER HOUR	1325
GLASSES PER HOUR	1325
SELECTION (B)	
RACKS PER HOUR	29
DISHES PER HOUR	725
GLASSES PER HOUR	725
SELECTION (C)	
RACKS PER HOUR	20
DISHES PER HOUR	500
GLASSES PER HOUR	500
SELECTION (D)	
RACKS PER HOUR	12
DISHES PER HOUR	300
GLASSES PER HOUR	300

OPERATING CYCLE (SECONDS):

MINIMUM (OTHER CYCLE TIMES ARE AVAILABLE)	
WASH TIME	45
RINSE TIME	15
TOTAL CYCLE TIME	60
TANK CAPACITY	
RINSE TANK (GALLONS)	3.0
RINSE TANK (LITERS)	11.4
WASH TANK (GALLONS)	8.0
WASH TANK (LITERS)	30.3

ELECTRICAL REQUIREMENTS

WASH MOTOR HP	2.0

NOTE: Always refer to the machine data plate for specific electrical and water requirements. The material provided on this page is for reference only and may be subject to change without notice.

WATER REQUIREMENTS

TEMPSTAR HH:

WASH TEMPERATURE (MINIMUM)(°F)	150
WASH TEMPERATURE (MINIMUM)(°C)	66
RINSE TEMPERATURE (MINIMUM)(°F)	180
RINSE TEMPERATURE (MINIMUM)(°C)	83
INLET WATER TEMPERATURE:	
12KW RINSE HEATER (°F)	140
12KW RINSE HEATER (°C)	60
14KW RINSE HEATER (°F)	110
14KW RINSE HEATER (°C)	44
FLOW PRESSURE (PSI)	20 ± 5
WATER LINE SIZE (NPT)	3/4”
DRAIN LINE SIZE (NPT)	1 1/2”

TEMPSTAR HH NB/TEMPSTAR HH S:

WASH TEMPERATURE (MINIMUM)(°F)	150
WASH TEMPERATURE (MINIMUM)(°C)	66
RINSE TEMPERATURE (MINIMUM)(°F)	180
RINSE TEMPERATURE (MINIMUM)(°C)	83
INLET WATER TEMPERATURE (°F)	180
INLET WATER TEMPERATURE (°C)	83
FLOW PRESSURE (PSI)	20 ± 5
WATER LINE SIZE (NPT)	3/4”
DRAIN LINE SIZE (NPT)	1 1/2”

STEAM REQUIREMENTS

COIL SIZE	3/4”
STEAM FLOW PRESSURE (P.S.I.)	10-20
CONSUMPTION @ 15 P.S.I. (LBS/HR)	45

SECTION 1: SPECIFICATION INFORMATION

ELECTRICAL REQUIREMENTS

NOTE: Typical Electrical Circuit is based upon (1) 125% of the full amperage load of the machine and (2) typical fixed-trip circuit breaker sizes as listed in the NEC 2002 Edition. Local codes may require more stringent protection than what is displayed here. Always verify with your electrical service contractor that your circuit protection is adequate and meets all applicable national and local codes. These numbers are provided in this manual simply for reference and may change without notice at any given time.

TEMPSTAR HH:

VOLTS	PH	HZ	RINSE HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
415	3	60	12KW	28 A	35 AMP
415	3	60	14KW	30 A	40 AMP
208	1	60	12KW@240V	75 A	100 AMP
208	1	60	14KW@240V	82 A	110 AMP
230	1	60	12KW@240V	81 A	110 AMP
230	1	60	14KW@240V	90 A	125 AMP
208	3	60	12KW@240V	48 A	60 AMP
208	3	60	14KW@240V	52 A	70 AMP
230	3	60	12KW@240V	52 A	70 AMP
230	3	60	14KW@240V	57 A	80 AMP
460	3	60	12KW@480V	24 A	30 AMP
460	3	60	14KW@480V	26 A	35 AMP

TEMPSTAR HH NB:

VOLTS	PH	HZ	RINSE HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	1	60	N/A	31 A	35 AMP
230	1	60	N/A	33 A	35 AMP
208	3	60	N/A	23 A	25 AMP
230	3	60	N/A	24 A	35 AMP
460	3	60	N/A	10 A	15 AMP

TEMPSTAR HH S:

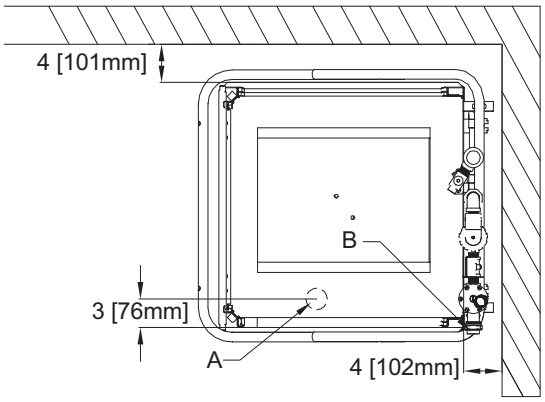
VOLTS	PH	HZ	RINSE HEATER RATINGS	TOTAL AMPS	TYPICAL ELECTRICAL CIRCUIT
208	1	60	N/A	12 A	15 AMP
230	1	60	N/A	12 A	15 AMP
208	3	60	N/A	12 A	15 AMP
230	3	60	N/A	12 A	15 AMP

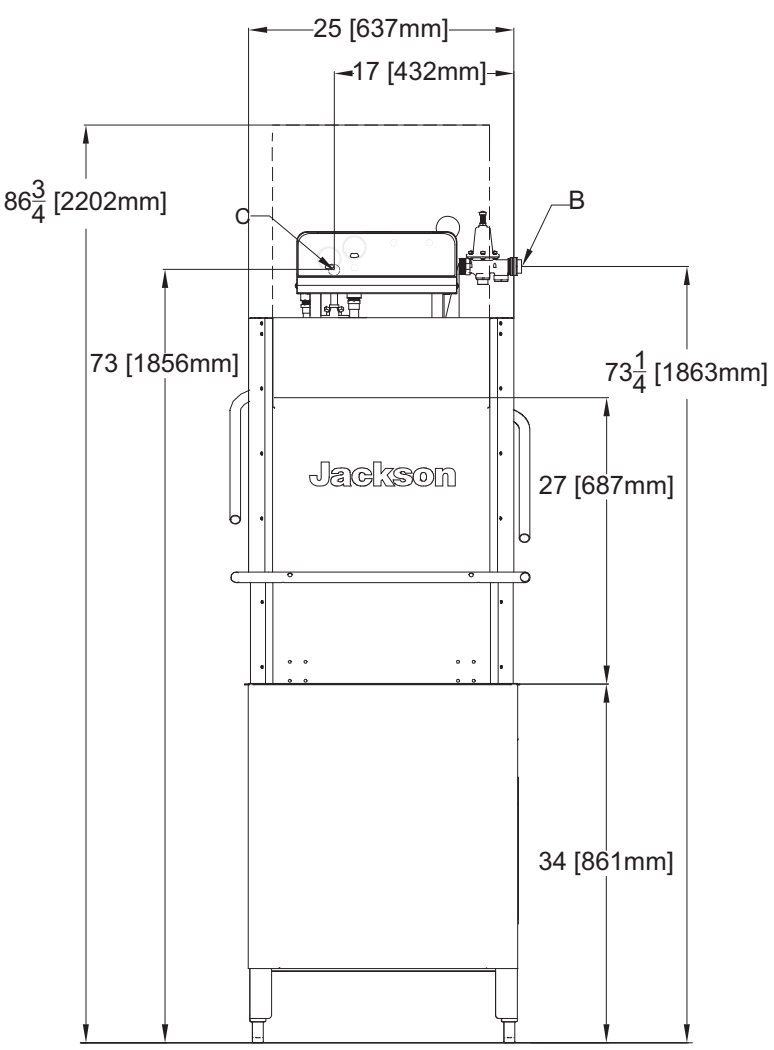
TEMPSTAR HH DIMENSIONS (TOP MOUNT CONTROL BOX)

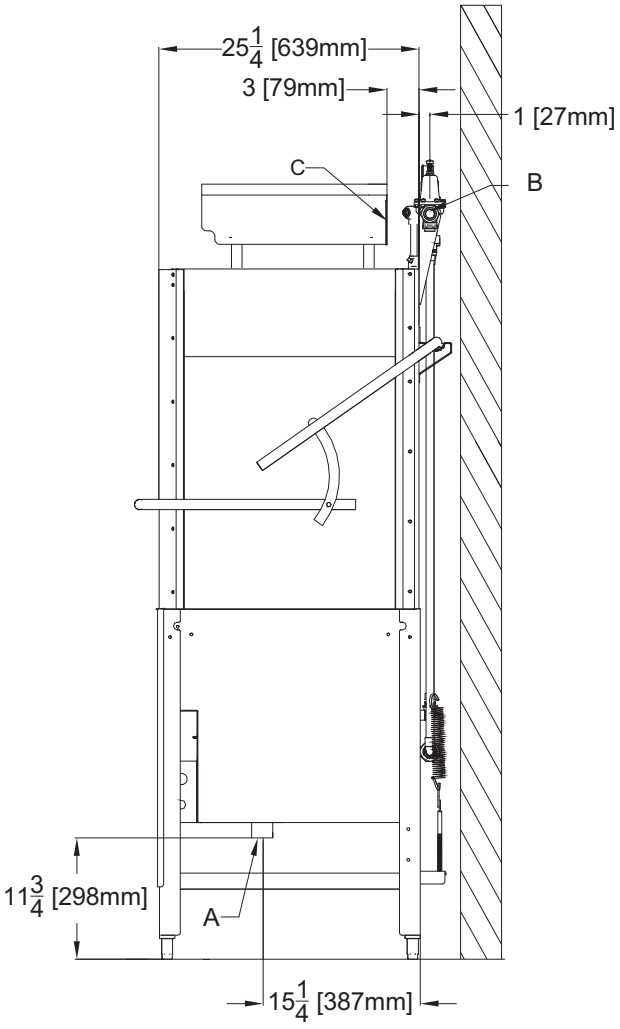
LEGEND

A - DRAIN 1 1/2" IPS
B - WATER INLET 3/4" IPS
C - ELECTRICAL CONNECTION

All vertical dimensions are +/- 1/2" due to adjustable bullet feet.







TEMPSTAR HH DIMENSIONS (SIDE MOUNT CONTROL BOX)

LEGEND

A - DRAIN 1 1/2" IPS
B - WATER INLET 3/4" IPS
C - ELECTRICAL CONNECTION

All dimensions are in inches. All vertical dimensions are +/- 1/2" due to adjustable bullet feet.

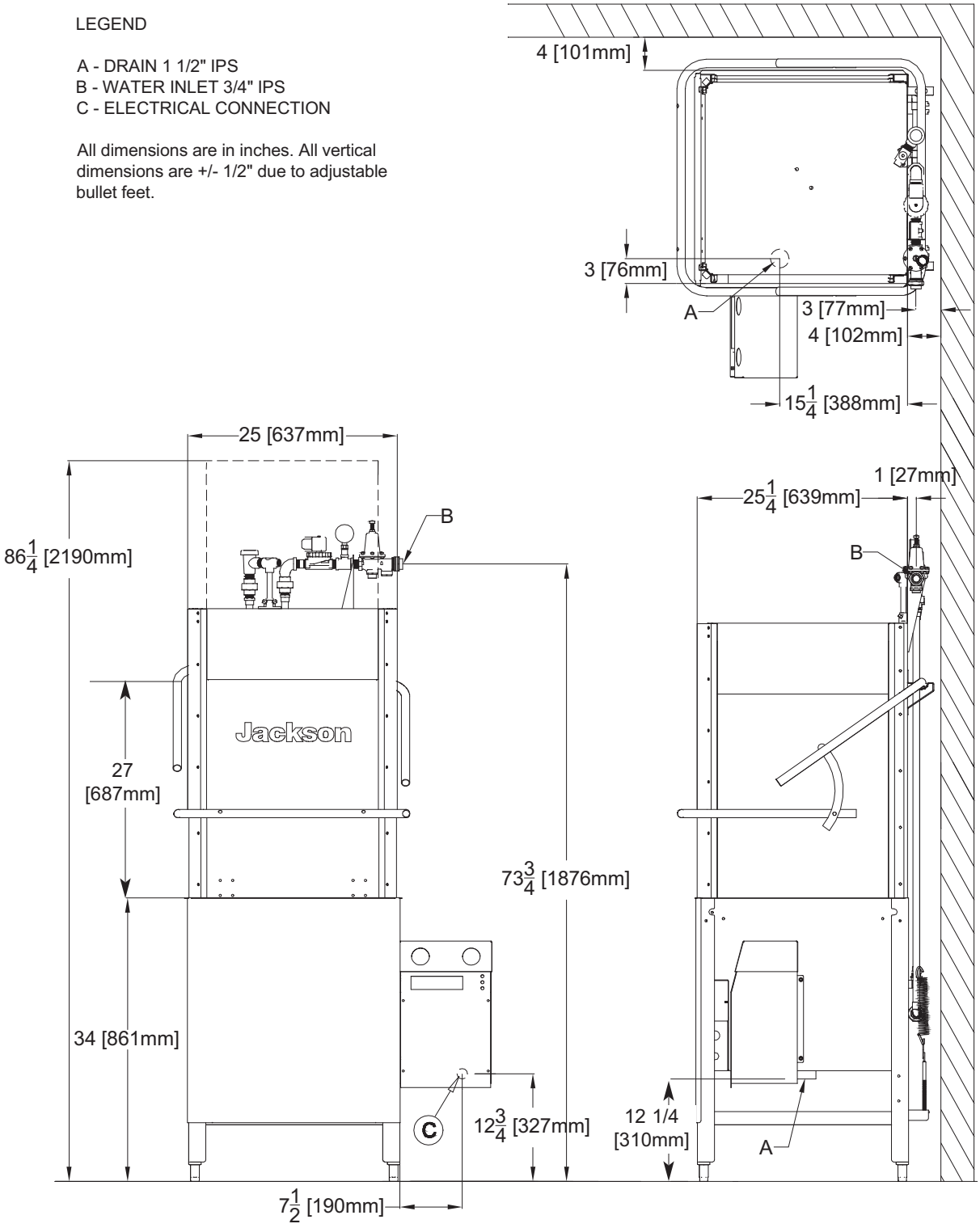
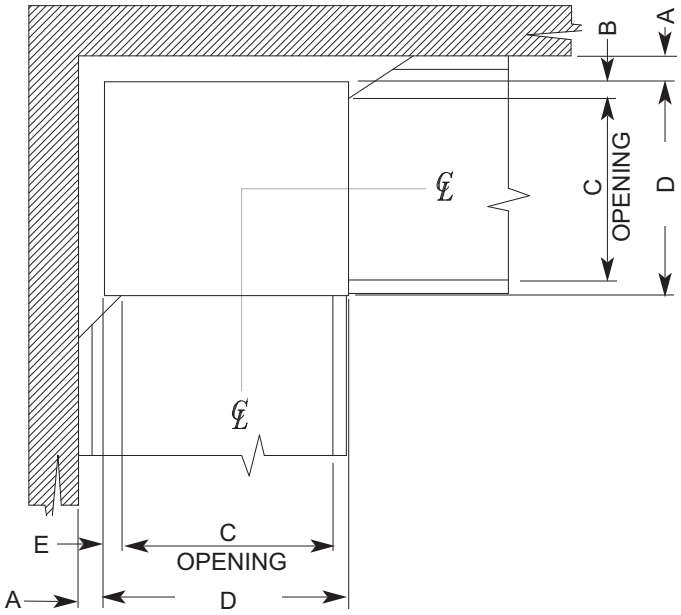


TABLE DIMENSIONS



LETTER	DIM (IN)	DIM (CM)
A	4” (MIN)	10.2 CM (MIN)
B	2 1/2”	6.4 CM
C	20 1/2”	52.1 CM
D	25 1/4”	64.1 CM
E	2 1/4”	10.2 CM
F	1 1/2”	3.8 CM
G	3/4”	1.9 CM

TABLE DIMENSIONS
CORNER INSTALLATION

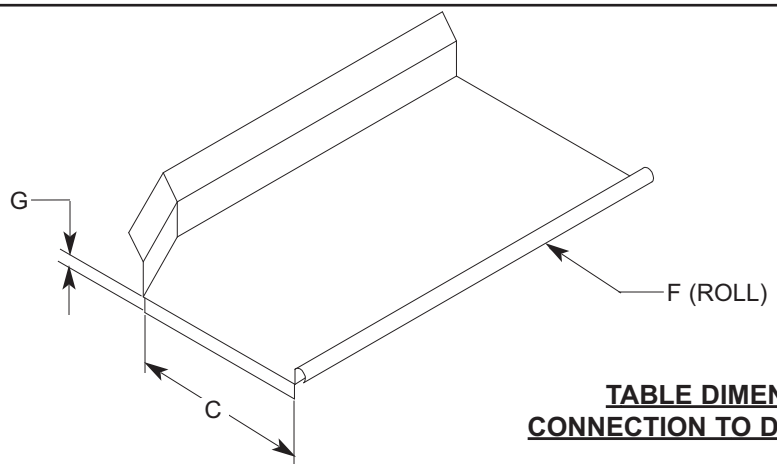


TABLE DIMENSIONS
CONNECTION TO DISHMACHINE

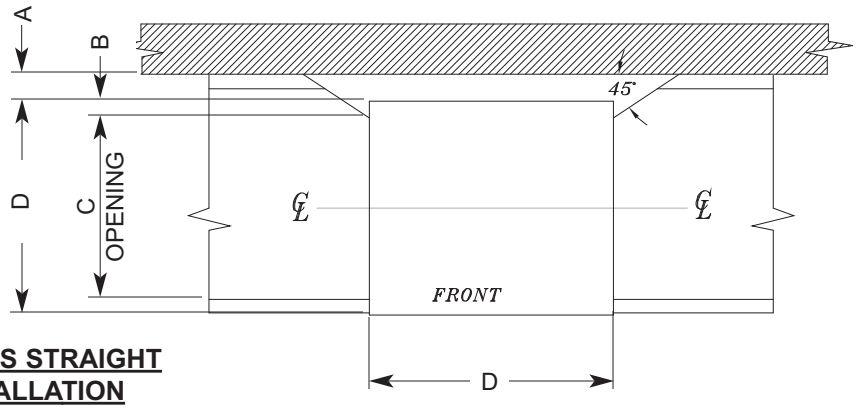


TABLE DIMENSIONS STRAIGHT
THROUGH INSTALLATION

SECTION 2: INSTALLATION & OPERATION INSTRUCTIONS

SECTION 2: INSTALLATION/OPERATION INSTRUCTIONS

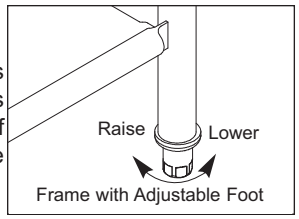
INSTALLATION INSTRUCTIONS

Jackson MSC Inc. provides technical support for all of the dishmachines detailed in this manual. We strongly recommend that you refer to this manual before making a call to our technical support staff. Please have this manual with you when you call so that our staff can refer you, if necessary, to the proper page. Technical support is available from 8:00 a.m. to 5:00 p.m. (EST), Monday through Friday. Technical support is not available on holidays. Contact technical support toll free at 1-888-800-5672. Please remember that technical support is available for service personnel only.

VISUAL INSPECTION: Before installing the unit, check the container and machine for damage. A damaged container is an indicator that there may be some damage to the machine. If there is damage to both the container and machine, do not throw away the container. The dishmachine has been inspected and packed at the factory and is expected to arrive to you in new, undamaged condition. However, rough handling by carriers or others may result in there being damage to the unit while in transit. If such a situation occurs, do not return the unit to Jackson; instead, contact the carrier and ask them to send a representative to the site to inspect the damage to the unit and to complete an inspection report. You must contact the carrier within 48 hours of receiving the machine. Also, contact the dealer through which you purchased the unit.

UNPACKING THE DISHMACHINE: Once the machine has been removed from the container, ensure that there are no missing parts from the machine. This may not be obvious at first. If it is discovered that an item is missing, contact Jackson immediately to have the missing item shipped to you.

LEVEL THE DISHMACHINE: The dishmachine is designed to operate while being level. This is important to prevent any damage to the machine during operation and to ensure the best results when washing ware. The unit comes with adjustable bullet feet, which can be turned using a pair of channel locks or by hand if the unit can be raised safely. Ensure that the unit is level from side to side and from front to back before making any connections.



PLUMBING THE DISHMACHINE: All plumbing connections must comply with all applicable local, state, and national plumbing codes. The plumber is responsible for ensuring that the incoming water line is thoroughly flushed prior to connecting it to any component of the dishmachine. It is necessary to remove all foreign debris from the water line that may potentially get trapped in the valves or cause an obstruction. Any valves that are fouled as a result of foreign matter left in the water line, and any expenses resulting from this fouling, are not the responsibility of the manufacturer.

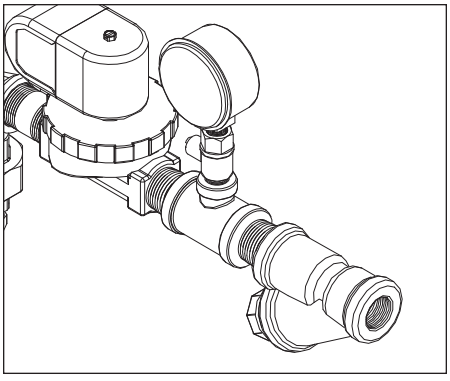
CONNECTING THE DRAIN LINE: The drain is a gravity discharge drain. All piping from the 1 1/2" FNPT connection on the wash tank must be pitched (1/4" per foot) to the floor or sink drain. All piping from the machine to the drain must be a minimum 1 1/2" I.P.S. and shall not be reduced. There must also be an air gap between the machine drain line and the floor sink or drain. If a grease trap is required by code, it should have a flow capacity of 5 gallons per minute.

WATER SUPPLY CONNECTION: Ensure that you have read the section entitled "PLUMBING THE DISHMACHINE" before proceeding. Install the water supply line (3/4" pipe size minimum) to the dishmachine line strainer using copper pipe. It is recommended that a water shut-off valve be installed in the water line between the main supply and the machine to allow access for service.

The water supply line is to be capable of 20 ± 5 PSI "flow" pressure at the recommended temperature indicated on the data plate.

Do not confuse static pressure with flow pressure. Static pressure is the line pressure in a "no flow" condition (all valves and services are closed). Flow pressure is the pressure in the fill line when the fill valve is opened during the cycle.

It is also recommended that a shock absorber (not supplied) be installed in the incoming water line. This prevents line hammer (hydraulic shock), induced by the solenoid valve as it operates, from causing damage to the equipment.



Incoming Plumbing Y-strainer Connection

PLUMBING CHECK: Slowly turn on the water supply to the machine after the incoming fill line and the drain line have been installed. Check for any leaks and repair as required. All leaks must be repaired prior to placing the machine in operation.

STEAM LINE CONNECTION: The steam machines come with lines by which the source steam needs to be connected. Connect all steam lines to the machine as all applicable codes provide. See machine data plate for information concerning steam flow pressure.

SECTION 2: INSTALLATION/OPERATION INSTRUCTIONS

ELECTRICAL INSTRUCTIONS

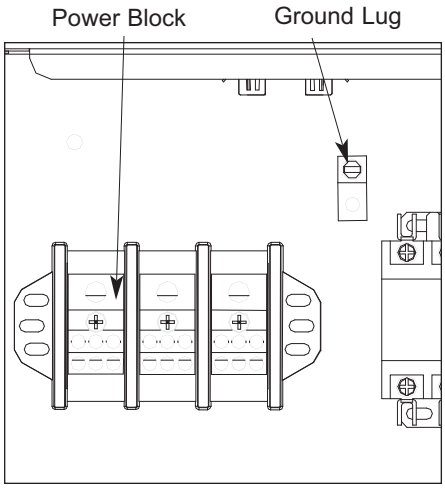
ELECTRICAL POWER CONNECTION: Electrical and grounding connections must comply with the applicable portions of the National Electrical Code ANSI/NFPA 70 (latest edition) and/or other electrical codes.

Disconnect electrical power supply and place a tag at the disconnect switch to indicate that you are working on the circuit.

The dishmachine data plate is located on the right side and to the front of the machine. Refer to the data plate for machine operating requirements, machine voltage, total amperage load and serial number.

To install the incoming power lines, open the control box. This will require taking a phillips head screwdriver and removing the four (4) screws on the front cover of the control box. Install 3/4" conduit into the pre-punched holes in the back of the control box. Route power wires and connect to power block and grounding lug. Install the service wires (L1, L2, & L3 (three phase only)) to the appropriate terminals as they are marked on the terminal block. Install the grounding wire into the lug provided. Tighten the connections. It is recommended that "DE-OX" or another similar anti-oxidation agent be used on all power connections.

VOLTAGE CHECK: Ensure that the power switch is in the OFF position and apply power to the dishmachine. Check the incoming power at the terminal block and ensure it corresponds to the voltage listed on the data plate. If not, contact a qualified service agency to examine the problem. Do not run the dishmachine if the voltage is too high or too low. Shut off the service breaker and mark it as being for the dishmachine. Advise all proper personnel of any problems and of the location of the service breaker. Replace the control box cover and tighten down the screws.



Incoming Power Connection

DETERGENT CONTROL

Detergent usage and water hardness are two factors that contribute greatly to how efficiently your dishmachine will operate. Using detergent in the proper amount can become, in time, a source of substantial savings. A qualified water treatment specialist can tell you what is needed for maximum efficiency from your detergent, but you should still know some basics so you'll understand what they are talking about.

First, you must understand that hard water greatly effects the performance of the dishmachine. Water hardness is the amount of dissolved calcium and magnesium in the water supply. The more dissolved solids in the water, the greater the water hardness. Hard water works against detergent, thereby causing the amount of detergent required for washing to increase. As you use more detergent, your costs for operating the dishmachine will increase and the results will decrease. The solids in hard water also may build-up as a scale on wash and rinse heaters, decreasing their ability to heat water. Water temperature is important in removing soil and sanitizing dishes. If the water cannot get hot enough, your results may not be satisfactory. This is why Jackson recommends that if you have installed the machine in an area with hard water, that you also install some type of water treatment equipment to help remove the dissolved solids from the water before it gets to the dishmachine.

Second, hard water may have you adding drying agents to your operating cycle to prevent spotting, when the real problem is deposited solids on your ware. As the water evaporates off of the ware, the solids will be left behind to form the spotting and no amount of drying agent will prevent this. Again, using treated water will undoubtedly reduce the occurrences of this problem.

Third, treated water may not be suitable for use in other areas of your operation. For instance, coffee made with soft water may have an acid or bitter flavor. It may only be feasible to install a small treatment unit for the water going into the dishmachine itself. Discuss this option with your qualified water treatment specialist.

Even after the water hardness problems have been solved, there still must be proper training of dishmachine operators in how much detergent is to be used per cycle. Talk with your water treatment specialist and detergent vendor and come up with a complete training program for operators. Using too much detergent has as detrimental effects as using too little. The proper amount of detergent must be used for job. It is important to remember that certain menu items may require extra detergent by their nature and personnel need to be made aware of this. Experience in using the dishmachine under a variety of conditions, along with good training in the operation of the machine, can go a long way in ensuring your dishmachine operates as efficiently as possible.

Certain dishmachine models require that chemicals be provided for proper operation and sanitization. Some models even require the installation of third-party chemical feeders to introduce those chemicals to the machine. Jackson does not recommend or endorse any brand name of chemicals or chemical dispensing equipment. Contact your local chemical distributor for questions concerning these subjects.

Some dishmachines come equipped with integral solid detergent dispensers. These dispensers are designed to accommodate detergents in a certain sized container. If you have such a unit, remember to explain this to your chemical distributor upon first contacting them.

As explained before, water temperature is an important factor in ensuring that your dishmachine functions properly. The data plate located on each unit details what the minimum temperatures must be for either the incoming water supply, the wash tank and the rinse tank, depending on what model of dishmachine you have installed. These temperatures may also be followed by temperatures that Jackson recommends to ensure the highest performance from you dishmachine. However, if the minimum requirements are not met, the chances are your dishes will not be clean or sanitized. Remember, a dish can look clean, but it may not be sanitized. Instruct your dishmachine operators to observe the required temperatures and to report when they fall below the minimum allowed. A loss of temperature can indicate a much larger problem such as a failed heater or it could also indicate that the hot water heater for your operation is not up to capacity and a larger one may need to be installed.

There are several factors to consider when installing your dishmachine to ensure that you get the best possible results from it and that it operates at peak efficiency for many years. Discuss your concerns with your local chemical distributor and water treatment specialist before there is a problem.

SECTION 2: INSTALLATION/OPERATION INSTRUCTIONS

OPERATION INSTRUCTIONS

PREPARATION: Before proceeding with the start-up of the unit, verify the following:

1. The pan strainer and pump suction strainer are in place and are clean.

2. The overflow tube and o-ring are installed.

3. That the wash and rinse arms are screwed securely into place and that their endcaps are tight. The wash and rinse arms should rotate freely.

POWER UP: To energize the unit, turn on the power at the service breaker. The voltage should have been previously verified as being correct. If not, the voltage will have to be verified.

FILLING THE WASH TUB: For the initial fill, ensure that the cycle selection switch is in the “AUTO” (automatic) position, and place the power switch in the “ON” position. The unit will fill automatically and run through a rinse cycle. Open the doors and verify that the water level is correct. Hereafter, the water level is controlled by the overflow tube. Verify that the drain stopper is preventing the wash tub water from draining excessively. There may be some slight leakage from the drain hole. Verify that there are no other leaks on the unit before proceeding any further. The wash tub must be completely filled before operating the wash pump to prevent damage to the component. Once the wash tub is filled, the unit is ready for operation.

WARE PREPARATION: Proper preparation of ware will help ensure good results and less re-washes. If not done properly, ware may not come out clean and the efficiency of the dishmachine will be reduced. It is important to remember that a dishmachine is not a garbage disposal and that simply throwing unscraped dishes into the machine simply defeats the purpose altogether of washing the ware. Scraps should be removed from ware prior to being loaded into a rack.

Pre-rinsing and pre-soaking are required, especially for silverware and casserole dishes. Place cups and glasses upside down in racks so that they do not hold water during the cycle. The dishmachine is meant not only to clean, but to sanitize as well, to destroy all of the bacteria that could be harmful to human beings. In order to do this, ware must be properly prepared prior to being placed in the machine.

DAILY MACHINE PREPARATION: Refer to the section entitled “PREPARATION” at the top of this page and follow the instructions there. Afterwards, check that all of the chemical levels are correct and/or that there is plenty of detergent available for the expected workload.

WARM-UP CYCLES: For a typical daily start-up, it is recommended to run the machine through 3 cycles to ensure that all of the cold water is out of the system and to verify that the unit is operating correctly. To cycle the machine, ensure that the power is on and that the tub has filled to the correct level. Lift the doors and the cycle light will illuminate. When the light goes out, close the doors, the unit will start, run through the cycle, and shut off automatically. Repeat this two more times. The unit should now be ready to proceed with the washing of ware.

WASHING A RACK OF WARE: To wash a rack, open the doors completely (being careful for hot water that may drip from the doors) and slide the rack into the unit. Close the doors and the unit will start automatically. Once the cycle is completed, the cycle light will turn off, open the door (again watching for the dripping hot water) and remove the rack of clean ware. Replace with a rack of soiled ware and close the doors. The process will then repeat itself.

OPERATIONAL INSPECTION: Based upon usage, the pan strainer may become clogged with soil and debris as the workday progresses. Operators should regularly inspect the pan strainer to ensure it has not become clogged. If the strainer does, it will reduce the washing capability of the machine. Instruct operators to clean out the pan strainer at regular intervals or as required by work load.

SHUTDOWN AND CLEANING: Secure steam flow to the machine in accordance with applicable codes and procedures. Steam flow must be secured prior to cleaning the inside of the machine. At the end of the workday, close the doors. When the unit completes the cycle, turn the power switch to the OFF position and open the doors. Remove and clean the pan strainer. Remove the drain stopper from the tub and allow the tub to drain (NOTE: The wash tank water will be hot so caution is advised). Once the wash tub is drained, remove the pump suction strainer. Remove soil and debris from the strainer and set to the side. Unscrew the wash and rinse arms from their manifolds. Remove the endcaps and flush the arms with water. Use a brush to clean out the inside of the arms. If the nozzles appear to be clogged, use a toothpick to remove the obstruction. Wipe the inside of the unit, removing all soil and scraps. Reassemble the wash and rinse arms and replace them in the unit. The arms only need to be hand tight, do not use tools to tighten them down. Reinstall the drain stopper and strainers and close the doors.

WATER CONSUMPTION ISSUES AND EFFICIENCY: The models covered in this manual provide you, the customer, with the ability to control the hourly rack capacity of the machine. Extending the wash cycle to wash severely soiled ware, such as mixing bowls, does not increase the machine's water consumption. However, selecting a longer time cycle does lower the amount of dishes the machine will be able to wash per hour. It is important for operators to select the correct wash cycle depending on the amount of washing required. Not every rack of dishes requires the machine to be set on the longest wash cycle!

Using good prescrapping procedures and observing the results of individual racks of ware, operators will soon gain the experience and knowledge required to ensure that the dishmachine operates at peak efficiency for your needs. Water hardness and detergent usage will also effect the results of the dishmachine.

SECTION 3:
PREVENTATIVE MAINTENANCE

SECTION 3: PREVENTATIVE MAINTENANCE

PREVENTATIVE MAINTENANCE

The dishmachines covered in this manual are designed to operate with a minimum of interaction with the operator. However, this does not mean that some items will not wear out in time. Jackson highly recommends that any maintenance and repairs not specifically discussed in this manual should be performed by QUALIFIED SERVICE PERSONNEL ONLY. Performing maintenance on your dishmachine may void your warranty if it is still in effect, so if you have a question or concern, do not hesitate to contact one of the QUALIFIED SERVICE AGENCIES listed in the back of this manual.

There are many things that operators can do to prevent catastrophic damage to the dishmachine. One of the major causes of component failure has to do with prescrapping procedures. A dishmachine is not a garbage disposal; any large pieces of material that are put into the machine shall remain in the machine until they are either broken up (after spreading out on your ware!) or physically removed. Strainers are installed to help catch debris, but they do no good if they are clogged. Have operators regularly inspect the pan strainers to ensure (1) that they are free of soil and debris and (2) they are laying flat in the tub.

When cleaning out strainers, do NOT beat them on waste cans. The strainers are made of metal and can be forgiving; but once severe damage is done, it is next to impossible for the strainer to work in the way it was designed to. Wipe out strainers with a rag and rinse under a faucet if necessary. For stubborn debris, a toothpick should be able to dislodge any obstructions from the perforations. Always ensure that strainers are placed back in the machine before operation and that they lay flat in the tub.

You may wish to learn more about how your water hardness will effect the performance of your machine. Hard water makes dishmachines work harder and decreases efficiency.

Again, it is important to remind operators that trying to perform corrective maintenance on the dishmachine could lead to larger problems or even cause harm to the operator. If a problem is discovered; secure the dishmachine using proper shut down procedures as listed in this manual and contact a QUALIFIED SERVICE AGENCY.

Some problems, however, may having nothing to do with the machine itself and no amount of preventative maintenance is going to help. A common problem has to do with temperatures being too low. Verify that the water temperatures coming to your dishmachine match the requirements listed on the machine data plate. There can be a variety of reasons why your water temperature could be too low and you should discuss it with a QUALIFIED SERVICE AGENCY to determine what can be done.

By following the operating and cleaning instructions in this manual, you should get the most efficient results from your machine. As a reminder, here are some steps to take to ensure that you are using the dishmachine the way it was designed to work:

1. Ensure that the water temperatures match those listed on the machine data plate.
2. Ensure that all strainers are in place before operating the machine.
3. Ensure that all wash and/or rinse arms are secure in the machine before operating.
4. Ensure that drains are closed/sealed before operating.
5. Remove as much soil from dishes by hand as possible before loading into racks.
6. Do not overfill racks.
7. Ensure that glasses are placed upside down in the rack.
8. Ensure that all chemicals being injected to machine have been verified as being at the correct concentrations.
9. Clean out the machine at the end of every workday as per the instructions in the manual.
10. Always contact a QUALIFIED SERVICE AGENCY whenever a serious problem arises.
11. Follow all safety procedures, whether listed in this manual or put forth by local, state or national codes/regulations.

SECTION 4:
TROUBLESHOOTING

SECTION 4: TROUBLESHOOTING

COMMON PROBLEMS

WARNING: Inspection, testing and repair of electrical equipment should only be performed by a qualified service technician. Many of the tests require that the unit have power to it and live electrical components be exposed. USE EXTREME CAUTION WHEN TESTING THE MACHINE.

Problem: Dishmachine will not fill after the door is close. Power "ON" light is illuminated.

1. Faulty rinse solenoid valve. Repair or replace valve as required.
2. Faulty door switch. Verify the wiring of the switch; if correct, replace the switch.
3. Fouled/faulty high level probe. Clean probe if fouled. If clean, and still not working, replace.

Problem: Dishmachine will not fill after the door is closed. Power "ON" light is not illuminated.

1. Service breaker tripped. Reset. If the breaker trips again, contact an electrician to verify the amp draw of the machine.
2. Machine not connected to power source. Verify that the machine has been properly connected to the power source.
3. Faulty power source. Verify the wiring of the switch; if correct, replace switch.

Problem: Dishmachine will not run after the door is closed. Power "ON" light is illuminated and the unit is filling.

1. Timer motor is faulty. Verify that the timer is rotating. If not, check to see that the motor is receiving power. If so, replace the motor and/or timer assembly.
2. Wash motor faulty/damaged. Verify that the wash motor is getting power. If so, replace the motor.
3. Wash motor contactor faulty. Check for continuity; if contacts are open, replace the contactor.

Problem: Dishmachine runs continuously in the wash cycle.

1. Machine is in delime mode. Change Operation Mode from DELIME to NORMAL position.
2. Wash cycle delay timer is faulty. During the wash cycle, the cam timer will move for the first 30 seconds of the wash cycle. The cycle delay timer will then cause the cam timer to stop, in order to increase the length of the wash cycle. The red light on the delay timer is in control of the cam timer. If the red light is not turning on (only during cycles B, C or D), replace the cycle timer.
3. Wash cycle delay timer settings not correctly adjusted. If the wash cycle delay timer and rotating cam timer are working correctly, the time cycles on the delay timer may be incorrectly adjusted. Adjust the delay potentiometer corresponding to the B, C or D cycle. Rerun the appropriate cycle and see if the adjustment has made any change in the length of the cycle. If not, replace the cycle delay timer.
4. Cam timer is faulty. Confirm that the wash cycle delay timer is functioning correctly (see above). Confirm that the timer motor is receiving power. If it is, replace the motor and/or timer assembly. Make sure there are no obstructions which limit the rotation of the cam timer.

Problem: Wash or rinse heater does not work.

1. Faulty heater element. Check element for continuity; if open, replace the heater.
2. Faulty heater contactor. Replace the contactor.
3. Misadjusted/faulty thermostat(s). Verify operation and setting of thermostats, replace if necessary.

Problem: Dishmachine fill slowly and/or the rinse is weak.

1. Clogged or obstructed rinse arms. Remove and clean the rinse arms.
2. Low incoming water pressure. Adjust the water pressure regulator to ensure that there is 20 ± 5 PSI flow.
3. Y-strainer is clogged. Clean out the Y-strainer.

Problem: Rinse water not reaching required temperature.

1. Faulty rinse heater. Check element for continuity; if open, replace heater.
2. Misadjusted/faulty thermostat(s). Verify operation and setting of thermostats, replace if necessary.
3. Rinse thermometer is defective. Replace thermometer.

SECTION 4: TROUBLESHOOTING

COMMON PROBLEMS

Problem: Wash water is not reaching required temperature.

1. Faulty wash heater. Check element for continuity; if open, relace the heater.
2. Misadjusted/faulty thermostat(s). Verify operation and setting of thermostats, replace if necessary.
3. Wash thermometer is defective. Replace thermometer.

Problem: Doors will not close completely.

1. Improper spring tension. Adjust spring tension as required by loosening (not removing) spring bolt nuts and adjusting the tension. Tighten nuts back when done.
2. Obstruction in door channel. Remove the obstruction.
3. Doors are not square with frame. Adjust the frame to accommodate the doors.

Problem: Water leaks at the wash pump.

1. Wash pump seal defective. Replace the seal.
2. Petcock or pump drain (if equipped) not shut/tight. Close or tighten.
3. Loose hoses (hose clamps) on the wash pump. Tighten the hose clamps.

Problem: Will not rinse during autocycle.

1. Defective rinse solenoid. Repair or replace the rinse solenoid as required.
2. Faulty fill microswitch. Replace microswitch.
3. No water to the machine. Verify that there is water at 20 ± 5 PSI connected to the machine.

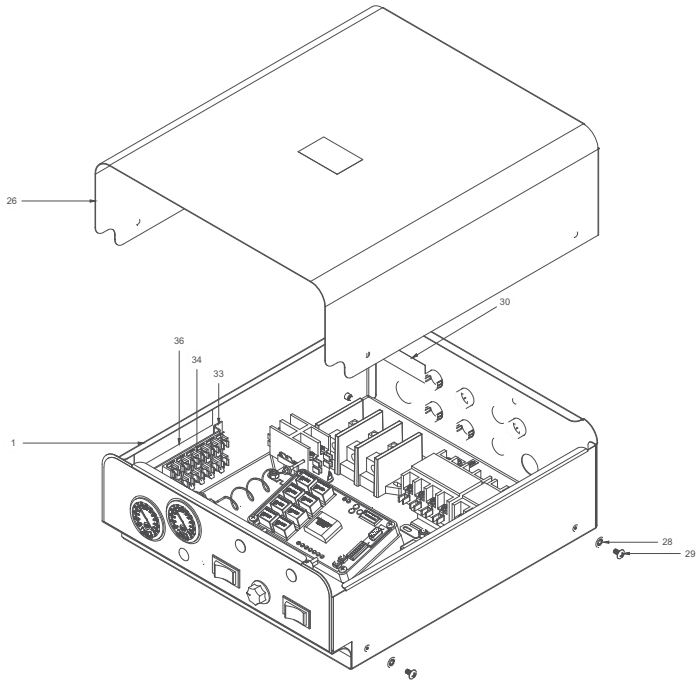
Problem: Dishes are not coming clean.

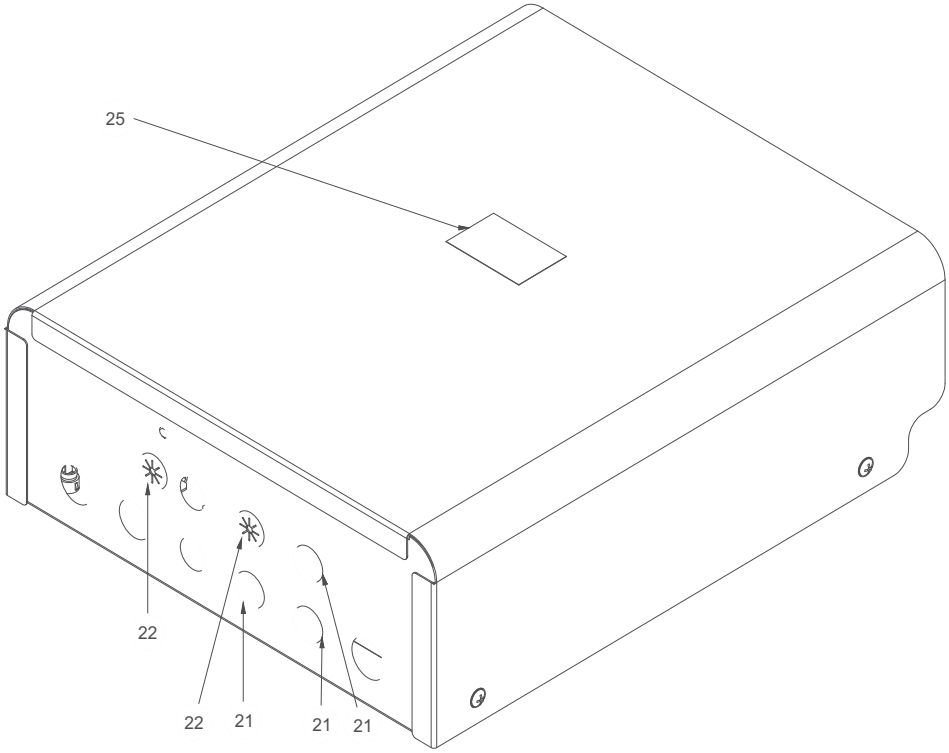
1. Machine temperatures are not up to the minimum requirements. Verify that incoming water, rinse water, and wash water match the required temperatures as listed on the machine data plate.
2. No detergent/too much detergent. Adjust detergent concentration as required for the amount of water held by the machine.
3. Solid dispenser canister is empty. Replace the canister.

SECTION 5:
PARTS SECTION

SECTION 5: PARTS SECTION

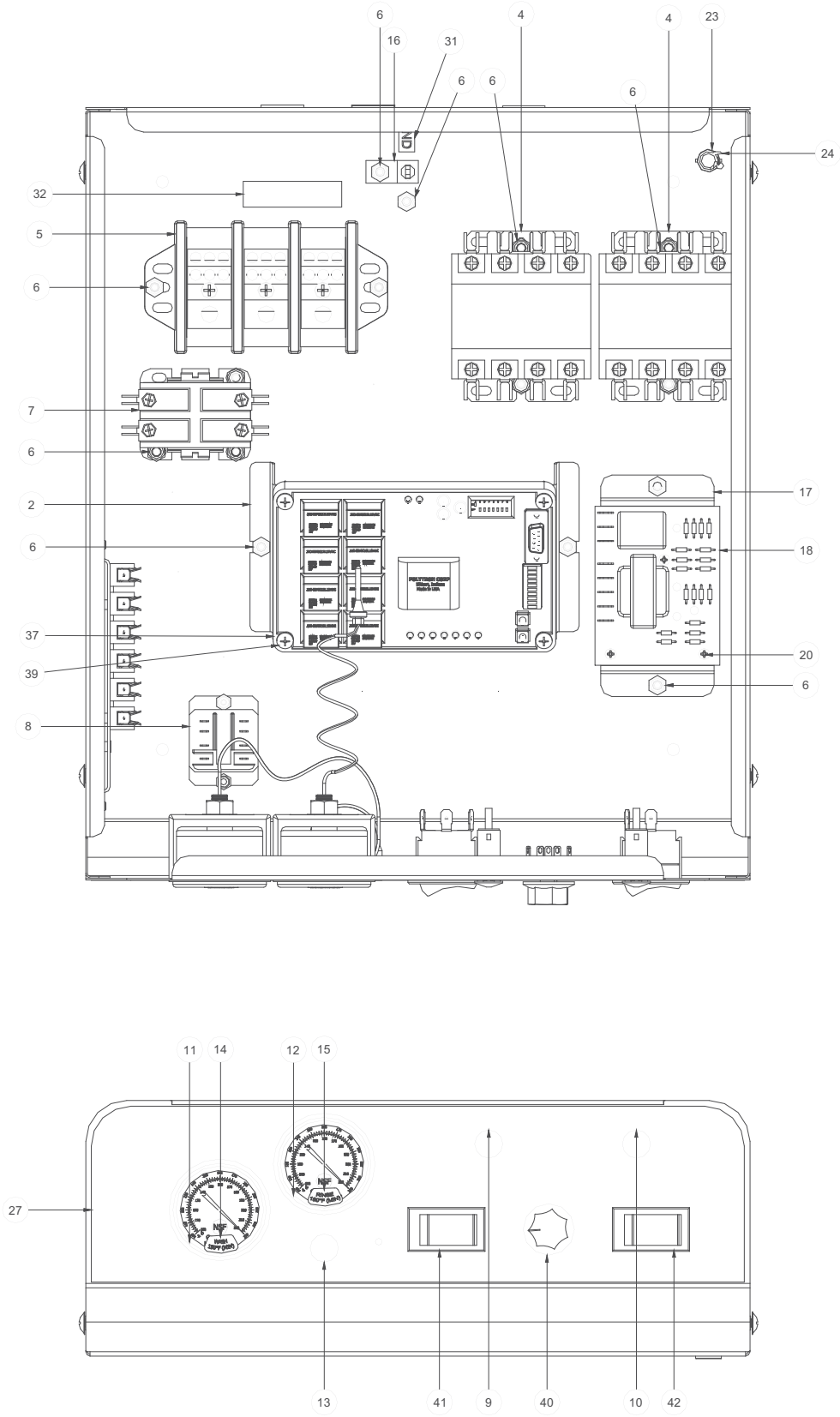
TOP MOUNTED CONTROL BOX ASSEMBLY





SECTION 5: PARTS SECTION

TOP MOUNTED CONTROL BOX ASSEMBLY



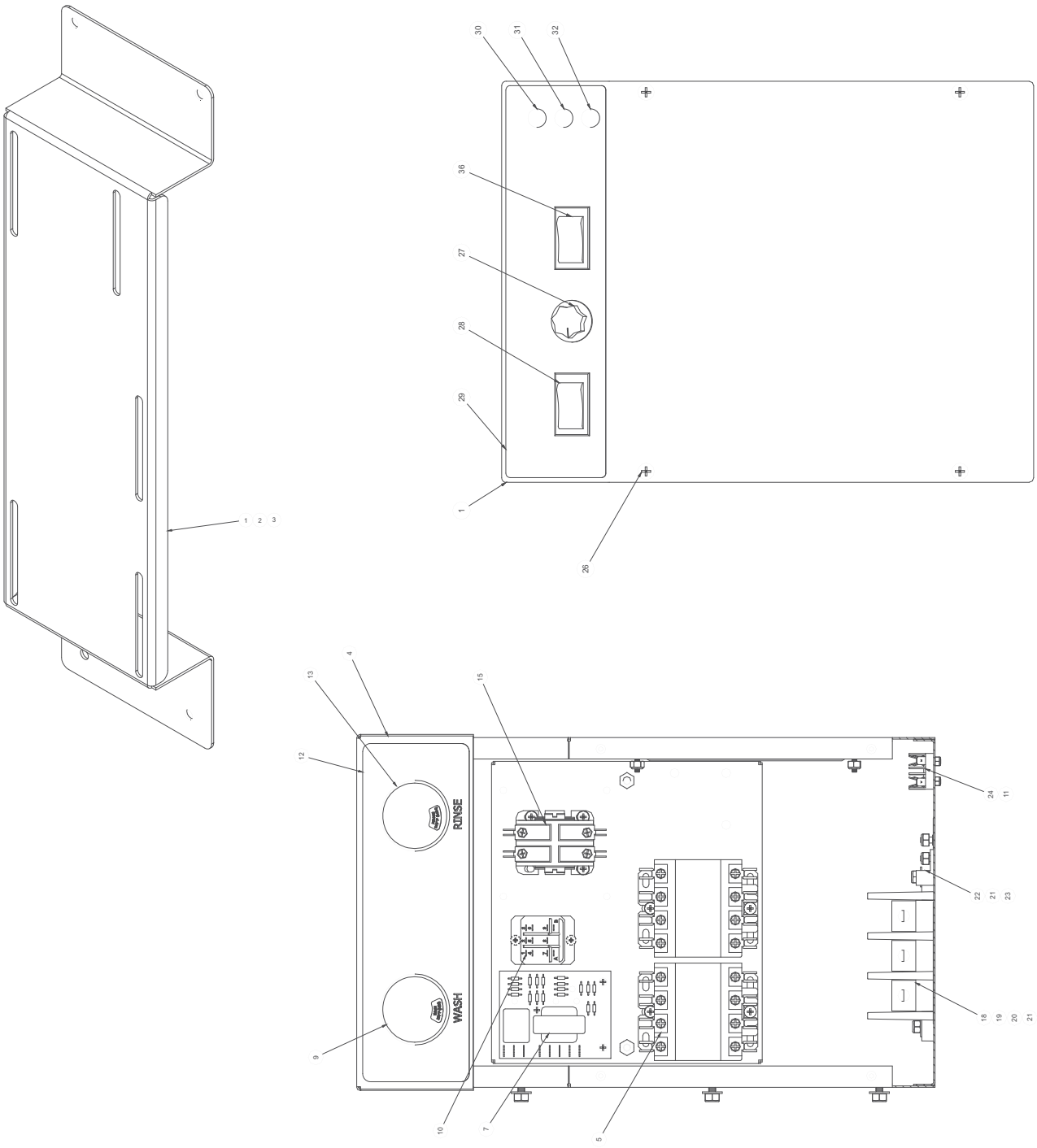
TOP MOUNTED CONTROL BOX ASSEMBLY WITH UNIVERSAL TIMER (CONTINUED)

ITEM	QTY	DESCRIPTION	Mfg. No.
1	1	Control Box Weldment	05700-003-30-14
2	1	Timer Bracket	05700-003-02-08
3	2	Lock Nut 6-32	05310-373-03-00
4*	2	Heater Contactor	05945-109-01-69
5	1	Terminal Block	05940-011-48-27
6	17	Lock Nut 10-24	05310-373-01-00
7	1	Contactor,Wash Motor	05945-002-74-20
8	1	Relay	05945-111-47-51
	1	Relay, (415V, 3PH, 5 Wire Only)	05945-111-89-75
9	1	Light, Green	05945-111-44-43
10	1	Light, Red	05945-111-44-45
11	1	Temperature Gauge, Wash 96” Lead	06685-111-68-49
12	1	Temperature Gauge, Rinse 48” Lead	06685-111-68-48
13	1	Light, Yellow	05945-111-44-44
14	1	Decal,Wash 150F Min	09905-002-97-61
15	1	Decal,Rinse 180F Min	09905-002-97-62
16	1	Ground Lug	05940-200-76-00
17	1	Bracket,Liquid Level Control Board	05700-002-13-22
18	1	Liquid Level Control Board	06680-200-08-21
19	6	Tricnut, 6-32	05340-118-04-00
20	3	Screw,6-32 X 5/8”	05305-011-39-85
21	3	Plug, 1/2”	05975-011-47-81
22	2	Grommet, 7/8” Split	05975-200-40-00
23	1	Bushing Snap	05975-210-05-00
24	1	Clamp,Hose .25-.312	05975-002-61-43
25	1	Decal,Warning-Disconnect Power	09905-100-75-93
26	1	Cover,Top Mount Control Box	05700-002-23-03
27	1	Decal,Control Box	09905-003-97-38
28	4	Lockwasher, Int. Tooth #10	05311-273-03-00
29	4	Screw, 10-32X3/8” Phillips Truss Head	05305-173-12-00
30	1	Decal,Copper Conductors	09905-011-47-35
31	1	Decal,Ground	09905-011-86-86
32	1	Decal,L1, L2	09905-002-78-67
33	1	Bracket,Fuse Strip	05700-002-42-03
34	1	Fuse Holder, 6 pole	05920-002-42-13
35	2	Screw, 6-32 x 3/8” W/Ext Tooth Washer	05305-002-25-91
36	1	Decal, Dispenser Connection	09905-003-34-09
37	1	Timer, Universal	05945-003-33-09
		Timer,Universal Fused(Alternate)	05945-003-75-23
38	4	Locknut, 10-32	05310-373-02-00
39	4	Screw 10-32X1”	05305-002-19-42
40	1	Switch, Rotary Selector	05930-003-97-61
41	1	Switch, Operation	05930-301-53-00
42	1	Switch, Power	05930-011-49-55
*43	1	Overload, TK-ONY, (460 Volt Unit Only)	05945-002-65-02
*44	1	Motor Contactor, SC-03Y, (460 Volt Unit Only)	05945-002-65-00
*45	1	Din Rail 2-3/4” (460 Volt Unit Only)	05700-001-84-65

*For a 460V Unit, Replace item 4 with items 43,44 and 45.

SECTION 5: PARTS SECTION

SIDE MOUNT CONTROL BOX ASSEMBLY

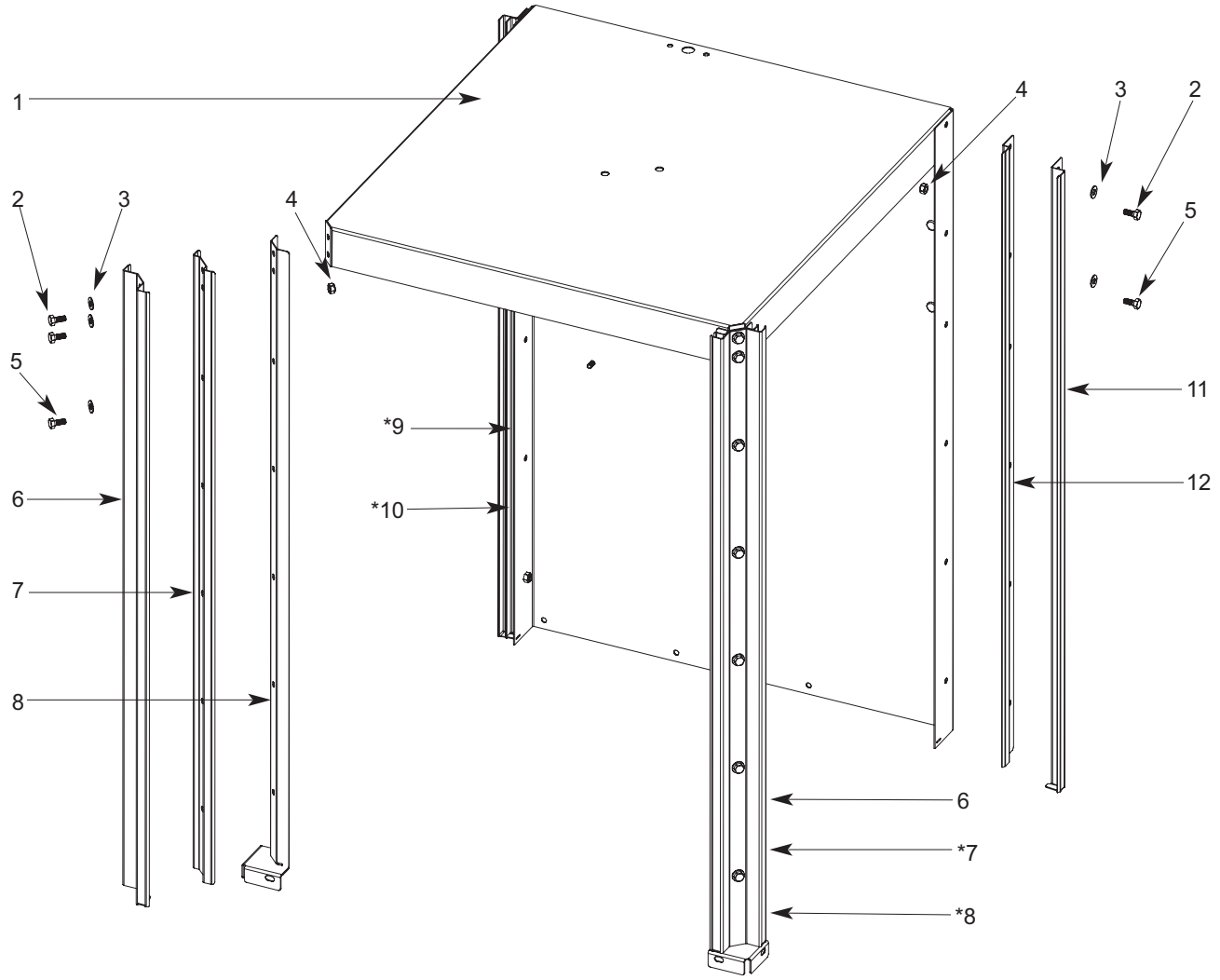


SIDE MOUNT CONTROL BOX ASSEMBLY (CONTINUED)

ITEM	QTY	DESCRIPTION	Mfg. No.
1	1	Bracket,Electrical Box Mounting	05700-002-18-48
2	9	Locknut, 1/4:-20 S/S Hex with Nylon Insert	05310-374-01-00
3	9	Washer, 1/4”-20 I.D. S/S	05311-174-01-00
4	1	Control box Weldment, Right hand	05700-002-06-48
4	1	Control box Weldment,Left Hand	05700-002-23-08
5	2	Contactor,4 Pole 220V 1 Phase (only 1 for No Booster & Steam Models)	05945-109-01-69
6	4	Screw,10-32 x 1/2” Phillips Pan Head with Washer	05305-002-32-37
7	1	Liquid level Control	06680-200-08-21
8	3	Screw,6-32X5/8”	05305-011-39-85
9	1	Thermometer, 48 Lead, Wash	06685-111-68-48
	1	Decal, Wash 150 Deg.	09905-002-97-61
10	1	Relay,240V, 50/60HZ, Top Mount	05945-002-47-74
11	8	Screw, 6-32 x 3/8” SEMS with External Tooth Washer	05305-002-25-91
12	1	Decal, Control Box Gauge	09905-002-10-69
13	1	Thermometer, 96 Lead Rinse	06685-111-68-49
	1	Decal, Rinse 180 Deg	09905-002-97-62
14*	1	Timer,4CKT 208-230V Single Rev	05945-303-31-00
14*	1	Timer, Universal	05945-003-75-23
	1	Timer, Bracket	05700-003-02-08
	6	Holder,Keystone	05940-002-21-87
	1	Keying Plug	05940-003-11-66
	2	Connector	05940-003-11-65
15	1	Contactor, 2 Pole 220V 20 AMP (208-230 Volt Unit Only)	05945-002-74-20
16	3	Screw, 10-32x3/8” Phillips Pan Head	05305-173-26-00
17*	1	Timer,Cycle Delay (Not used with Universal timer)	05945-002-13-78
18	1	Terminal Block 3, Pole	05940-011-48-27
19	1	Decal, L1,L2,L3	09905-101-12-66
20	1	Deacl, Copper Conductors	09905-011-47-35
21	4	Locknut, 10-24 S/S Hex with Nylon Insert	05310-373-01-00
22	1	Wire Lug	05940-200-76-00
23	1	Deacl, Ground	09905-011-86-86
24	1	Holder, Fuse	05920-401-03-14
25	1	Cover, Control Box Weldment	05700-002-06-52
26	4	Bolt, 10-32 x 1/2” Slotted Truss	05305-173-04-00
27	1	Switch, Rotary Selector	05930-003-97-61
28	1	Switch, Operation	05930-301-53-00
29	1	Deacl, Control Box Cover	09905-003-97-39
30	1	Light, Red	05945-504-07-18
31	1	Light, Green Indicator	05945-504-08-18
32	1	Light, Amber	05945-504-06-18
33*	1	Cover, Dielectric Control Panel	05700-021-50-89
34	1	Contactor, 2 Pole 220V 20 AMP (460 Volt Unit Only)	05945-002-65-00
35	1	Overload (460 Volt Unit Only)	05945-002-65-01
36	1	Switch, Power	05930-011-49-55

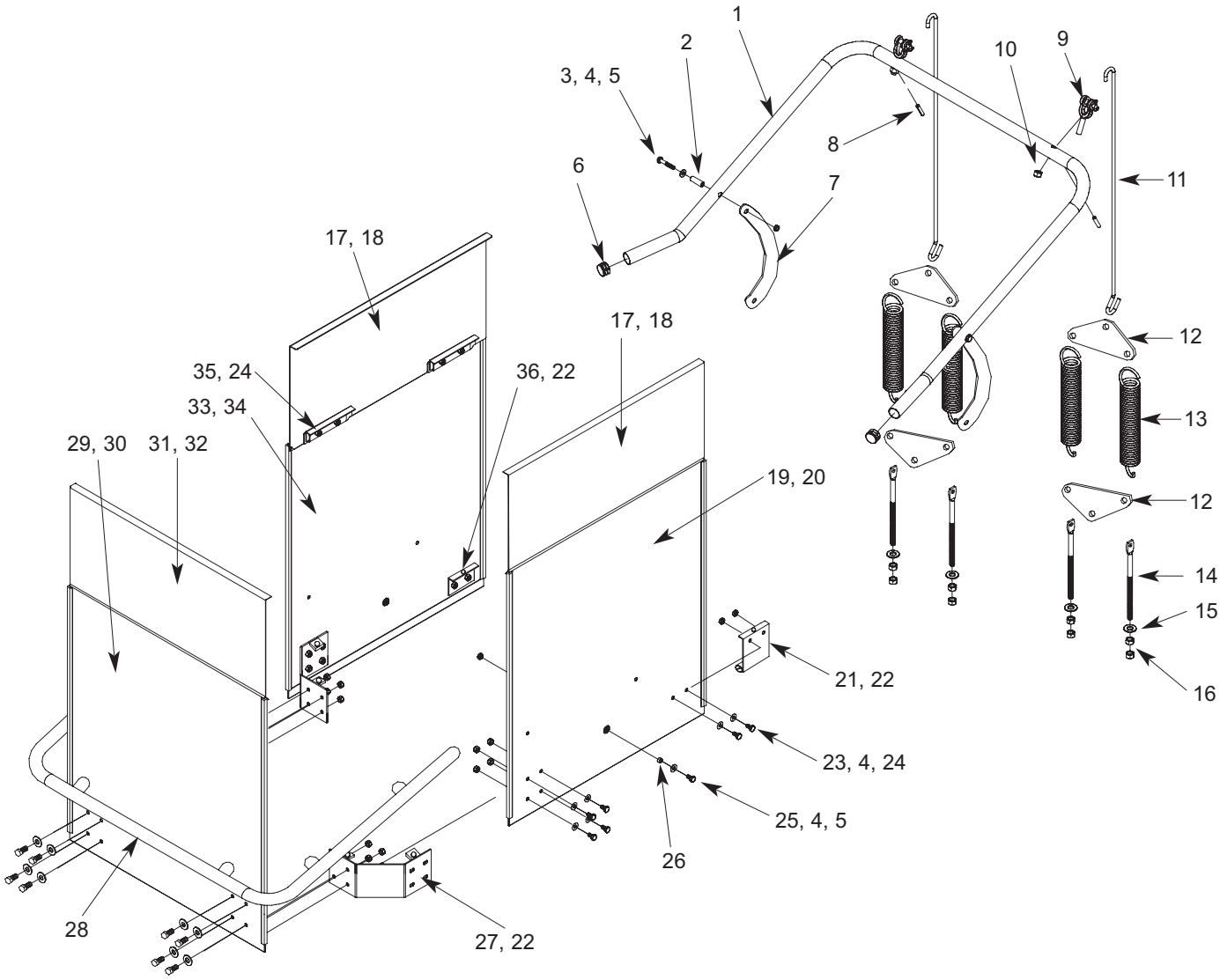
*Represents an item not shown.

* Represents an item not shown.



ITEM	QTY	DESCRIPTION	Mfg. No.
1	1	Hood Weldment (Side Mount Control Box) (Shown)	05700-002-01-23
1	1	Hood Weldment (Top Mount Control Box)	05700-003-52-53
2	6	Bolt, 1/4"- 20 x 5/8" Long Hex	05305-274-24-00
3	26	Washer, 1/4" ID S/S	05311-174-01-00
4	26	Locknut, 1/4"-20 S/S Hex with Nylon Inserts	05310-374-01-00
5	26	Bolt, 1/4"-20 x 1/2" Long Hex	05305-274-02-00
6	2	Right/Left Front Outer Door Guide	05700-031-76-85
7	2	Right/Left Front Inner Door Guide	05700-031-76-82
8	2	Right/Left Front Hood Support Weldment	05700-002-17-68
9	1	Left Rear Outer Door Guide	05700-031-76-34
10	1	Left Rear Inner Door Guide	05700-031-76-33
11	1	Right Rear Outer Door Guide	05700-031-76-35
12	1	Right Rear Inner Door Guide	05700-031-76-32

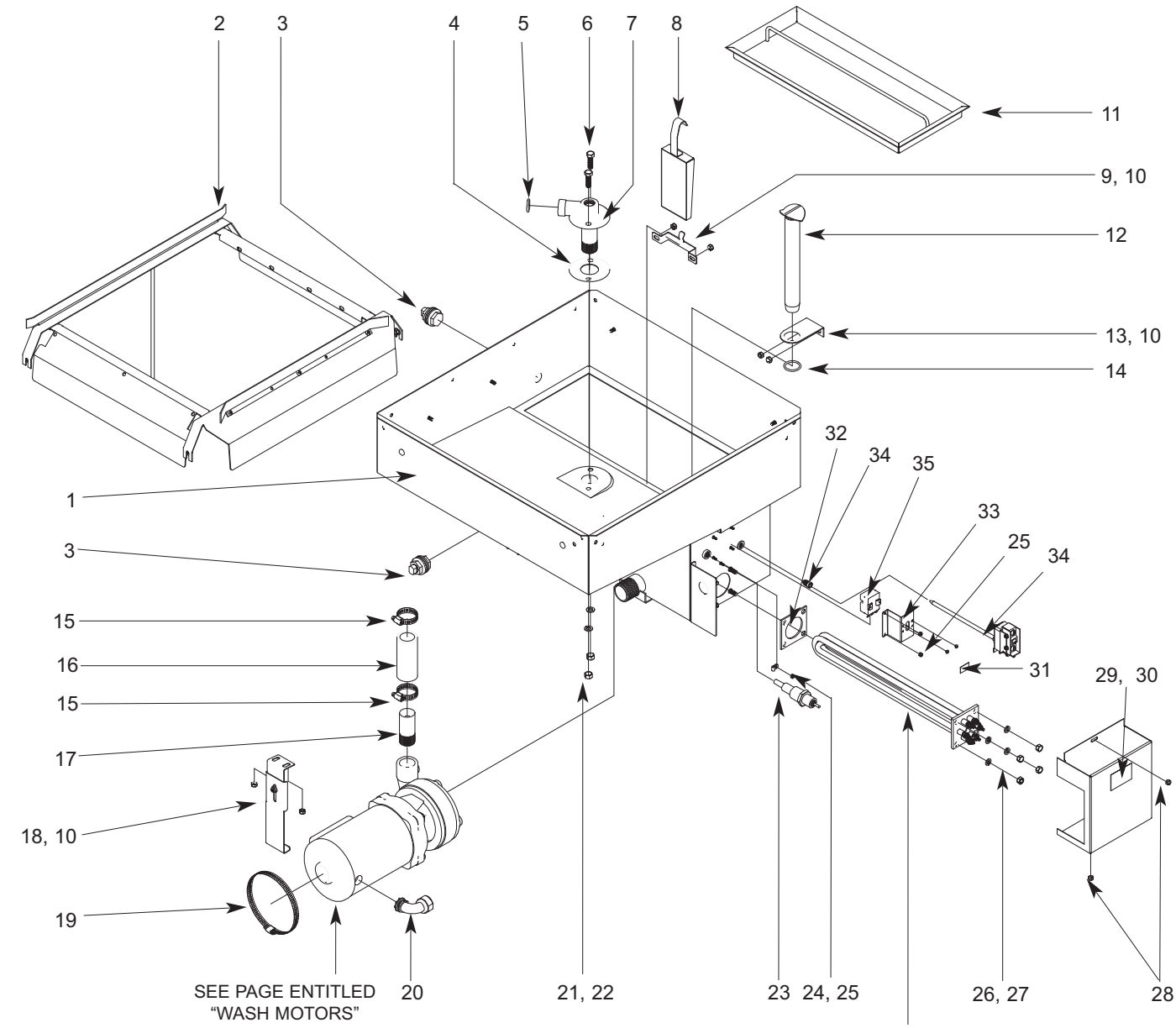
CANTILEVER ARM/DOOR ASSEMBLIES



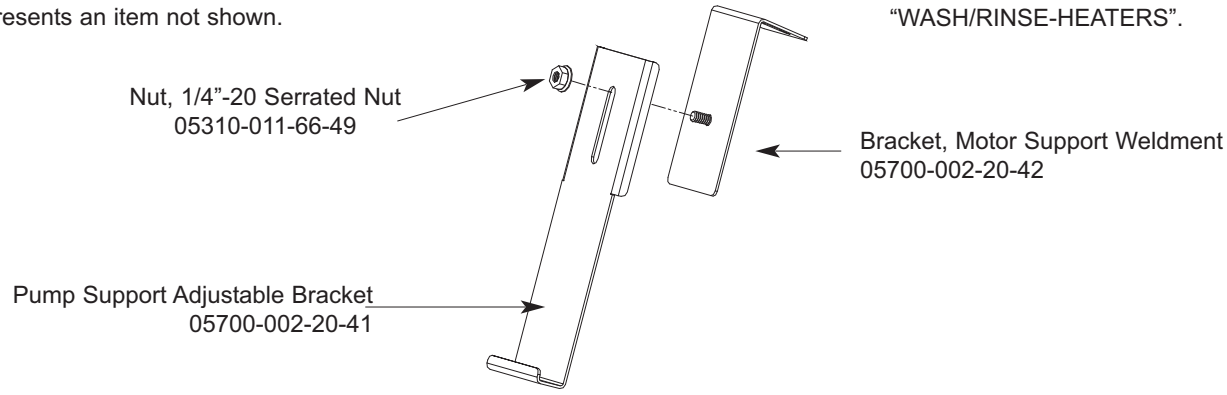
CANTILEVER ARM/DOOR ASSEMBLIES (CONTINUED)

ITEM	QTY	DESCRIPTION	Mfg. No.
1	1	Cantilever Arm	05700-031-92-44
2	2	Sleeve, Cantilever Arm	05700-000-85-69
3	2	Screw, 1/4"-20 x 1 1/2" Long Hex Head	05305-274-23-00
4	4	Washer, 1/4" ID S/S	05311-174-01-00
5	4	Locknut, 1/4"-20 S/S Low Profile with Nylon Insert	05310-374-02-00
6	4	Plug, Cantilever	05340-011-35-00
7	2	Connecting Link	05700-021-92-45
8	2	Spring Pin, 1/4" x 1 1/8" Long	05315-407-06-00
9	2	Yoke Assembly	05700-000-75-77
10	2	Nut, 3/8"-16 S/S Hex Locking	05310-256-04-00
11	2	Rod, Spring Connecting	05700-002-00-91
12	4	Plate, Spring Multiplier	05700-002-00-88
13	4	Spring, Cantilever Door	05340-111-35-22
14	4	Bolt, Cantilever Hanger Eye 3/8"-16	05306-956-05-00
15	4	Washer, Impeller	05311-176-02-00
16	8	Nut, 3/8"-16 S/S Hex	05310-276-01-00
*	2	Door, Upper, Left and Right Assemblies	05700-002-01-30
17	2	Door, Upper, Left and Right Weldment	05700-002-29-59
18	4	Glide, Upper Door	05700-002-00-83
*	1	Door, Lower, Right Assembly	05700-002-01-33
19	1	Door, Lower, Right	05700-031-76-80
20	2	Glide, Lower Door	05700-002-23-64
21	1	Door Stop Magnet Assembly	06401-003-08-68
*	1	Door Stop Magnet Weldment	05700-002-01-27
*	1	Magnet	05930-111-69-25
*	2	End Cap	05700-011-60-92
22	6	Wear Button	05700-011-88-01
23	20	Screw, 1/4"-20 x 5/8"	05305-274-24-00
24	20	Locknut, 1/4"-20 S/S Hex with Nylon Insert	05310-374-01-00
25	2	Screw, 1/4"-20 x 1/2" Long Hex Head	05305-274-02-00
26	2	Spacer, PB Bolt	05700-000-29-40
27	2	Bracket, Door Connector	06401-003-08-75
28	1	Handle, Front Door Weldment	06401-003-08-67
*	1	Door, Lower, Front Assembly	05700-002-01-31
29	1	Door, Lower, Front	05700-031-76-77
30	2	Glide, Lower Door	05700-002-23-64
*	1	Door, Upper Front Assembly	05700-002-24-92
31	1	Door, Upper, Front Weldment	05700-002-29-57
32	2	Glide, Upper Door	05700-002-00-83
*	1	Door, Lower, Left Assembly	05700-002-01-32
33	1	Door, Lower, Left	05700-031-76-79
34	2	Glide, Lower Door	05700-002-23-64
35	6	Door Stop Weldment	05700-002-29-60
36	1	Door Stop	06401-003-08-69
37*	2	Cantilever Arm Support Bracket	09515-003-15-64
38*	6	Wear Button	05700-011-88-01

TUB ASSEMBLY

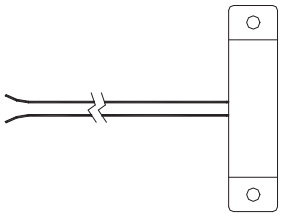


* Represents an item not shown.



TUB ASSEMBLY (CONTINUED)

ITEM	QTY	DESCRIPTION	Mfg. No.
1	1	Tub Weldment	05700-002-01-25
2	1	Rack Assembly	05700-002-01-00
3	2	Bulk Head Plug	04730-609-05-00
4	1	Gasket	05700-111-35-03
5	1	O-ring	05330-400-05-00
6	4	Bolt, Hex 3/8”-16 x 1 1/4" Long	05305-276-10-00
7	1	Lower Wash Manifold Weldment	05700-031-46-00
8	1	Suction Strainer Weldment	05700-002-16-13
9	1	Suction Strainer Bracket	05700-002-18-28
10	8	Locknut, 1/4"-20 with Nylon Insert	05310-374-02-00
11	1	Strainer Weldment	05700-031-50-07
12	1	Wash Overflow Weldment	05700-001-25-69
*	1	Support, Ball Stop Lift	05700-002-91-55
*	1	Ball Stop Lift	05700-003-07-50
13	1	Overflow Support Bracket	05700-001-27-55
14	1	O-Ring	05330-400-05-00
15	2	Clamp, Hose 1 5/16” to 2 1/4”	04730-719-01-37
16	1	Discharge Hose	05700-011-88-24
17	1	Nipple	05700-021-34-84
18	1	Pump Support Bracket Assembly	05700-002-22-73
19	1	Clamp, Hose 5 5/8" to 6"	04730-011-34-90
20	1	Connector, 1/2” 90°	05975-111-01-00
21	4	Nut, 3/8"-16 S/S Hex	05310-276-01-00
22	4	Lockwasher, 3/8”	05311-276-01-00
23	1	High Water Probe	06680-200-02-68
24	1	Clamp, 1/8" Nylon	05975-601-10-15
25	3	Locknut, 6-32 with Nylon Insert	05310-373-03-00
26	4	Lockwasher, 5/16", S/S, Split	05311-275-01-00
27	4	Nut, Hex, 5/16"-18, S/S	05310-275-01-00
28	4	Locknut, 10-24 with Nylon Insert	05310-373-01-00
29	1	Cover, Wash Heater	05700-031-47-57
30	1	Decal, Warning-Disconnect Power	09905-100-75-93
31	1	Decal, High Limit	09905-011-84-32
32	1	Wash Heater Gasket	05330-011-47-79
33	1	Thermostat Bracket	05700-011-81-64
34	1	Thermostat, Regulating with Imperial Brass Fitting	06401-003-18-22
35	1	Thermostat, High Limit	05930-011-49-43

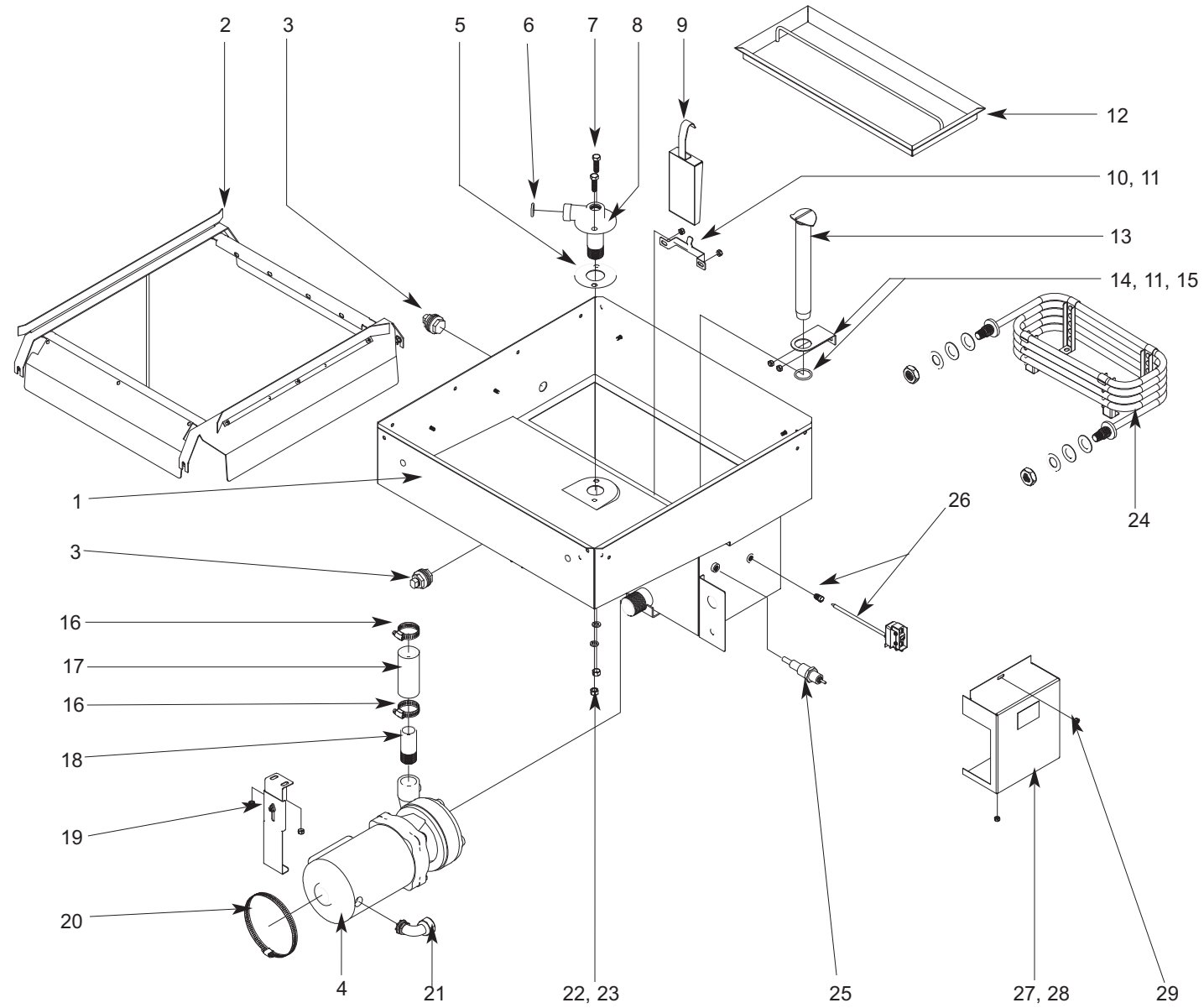


Magnetic Reed Switch
05930-003-05-84

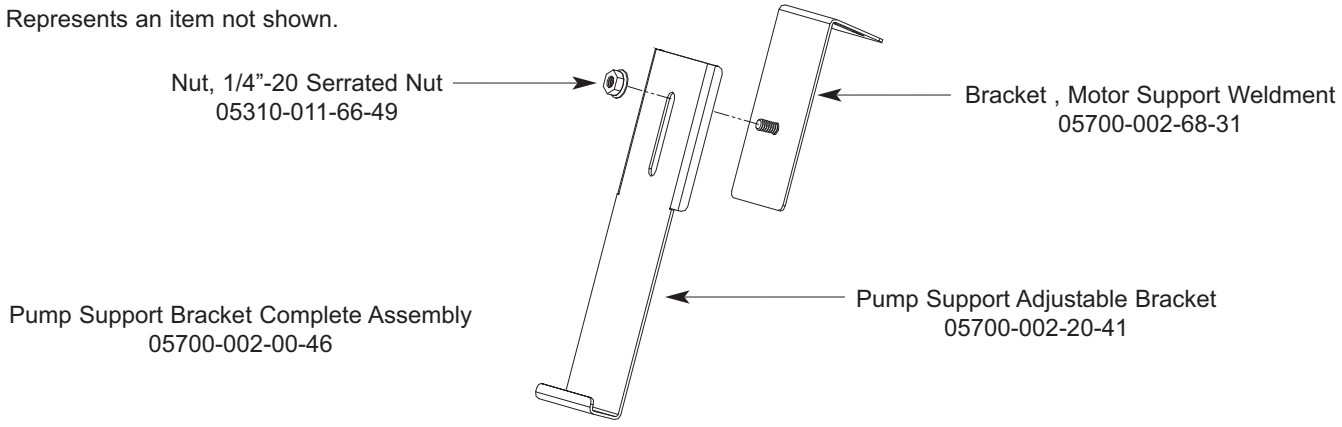
Associated Hardware:

Lockwasher, #8 Internal Tooth	05311-272-03-00
Locknut, 1/4”-20 S/S Hex w/Nylon Insert	05310-374-01-00
Screw, 8-32 x 3/4” Round Head	05305-172-06-00

STEAM TUB ASSEMBLY



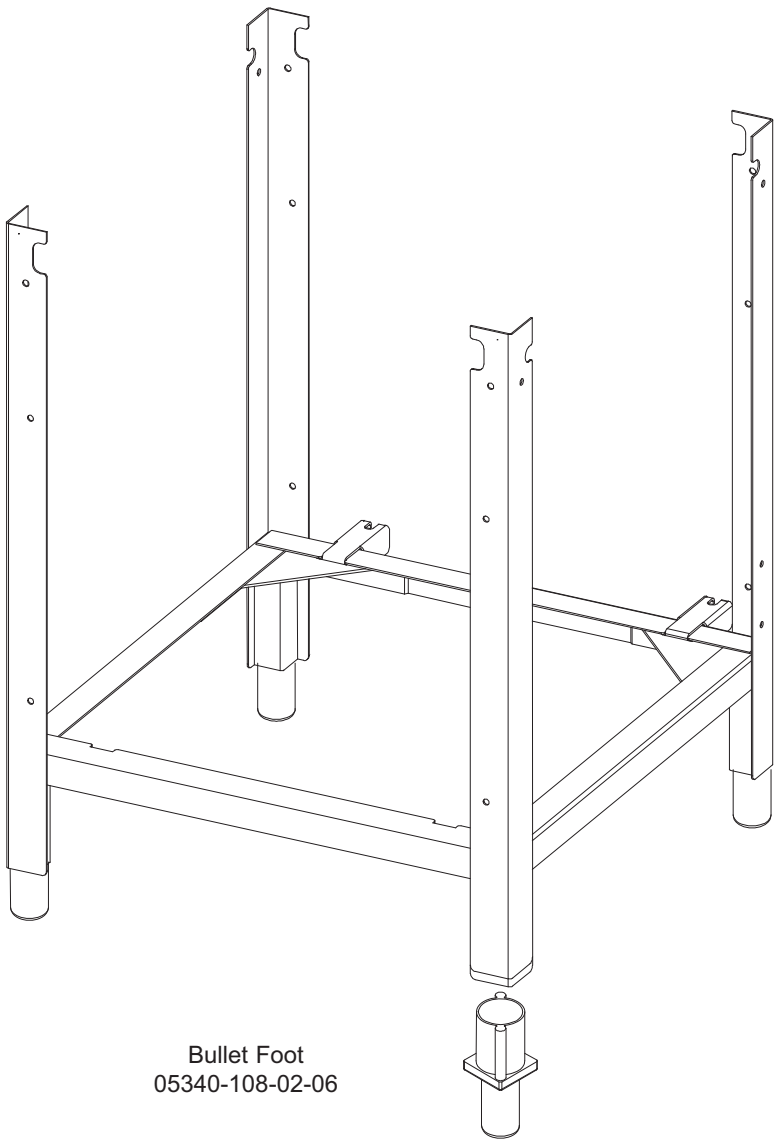
* Represents an item not shown.



STEAM TUB ASSEMBLY (CONTINUED)

ITEM	QTY	DESCRIPTION	Mfg. No.
1	1	Tub Weldment	05700-002-63-13
2	1	Rack Assembly	05700-002-01-00
3	2	Bulk Head Plug	04730-609-05-00
4	1	Motor & Pump Assembly	See page entitled Wash Motors
5	1	Gasket	05700-111-35-03
6	1	O-ring	05330-400-05-00
7	4	Bolt, Hex 3/8”-16 x 1 1/4" Long	05305-276-10-00
8	1	Lower Wash Manifold Weldment	05700-031-46-00
9	1	Suction Strain Weldment	05700-001-22-23
10	1	Suction Strain Bracket	05700-001-22-24
11	8	Locknut, 1/4"-20 with Nylon Insert	05310-374-02-00
12	1	Strainer Weldment	05700-021-50-07
13	1	Wash Overflow Weldment	05700-001-25-69
*	1	Support, Ball Stop Lift	05700-002-91-55
*	1	Ball Stop Lift	05700-003-07-50
14	1	Overflow Support Bracket	05700-001-27-55
15	1	O-Ring	05330-400-05-00
16	2	Clamp, Hose 1 5/16” to 2 1/4”	04730-719-01-37
17	1	Discharge Hose	05700-011-88-24
18	1	Nipple	05700-021-34-84
19	1	Pump Support Bracket Assembly	05700-002-00-46
20	1	Clamp, Hose 5 5/8" to 6"	04730-011-34-90
21	1	Connector, 1/2” 90°	05975-111-01-00
22	4	Nut, 3/8"-16 S/S Hex	05310-276-01-00
23	4	Lockwasher, 3/8”	05311-276-01-00
24	1	Steam Coil Assembly	05700-002-08-62
25	1	Probe, High Water	06680-200-02-68
26	1	Thermostat, Regulating with Imperial Brass Fitting	06401-003-18-23
27	1	Cover, Wash Heater	05700-031-47-57
28	1	Decal, Warning-Disconnect Power	09905-100-75-93
29	2	Locknut, 10-24 with Nylon Insert	05310-373-01-00

Cover, Front Panel
05700-002-01-42



Frame Weldment
05700-002-03-49

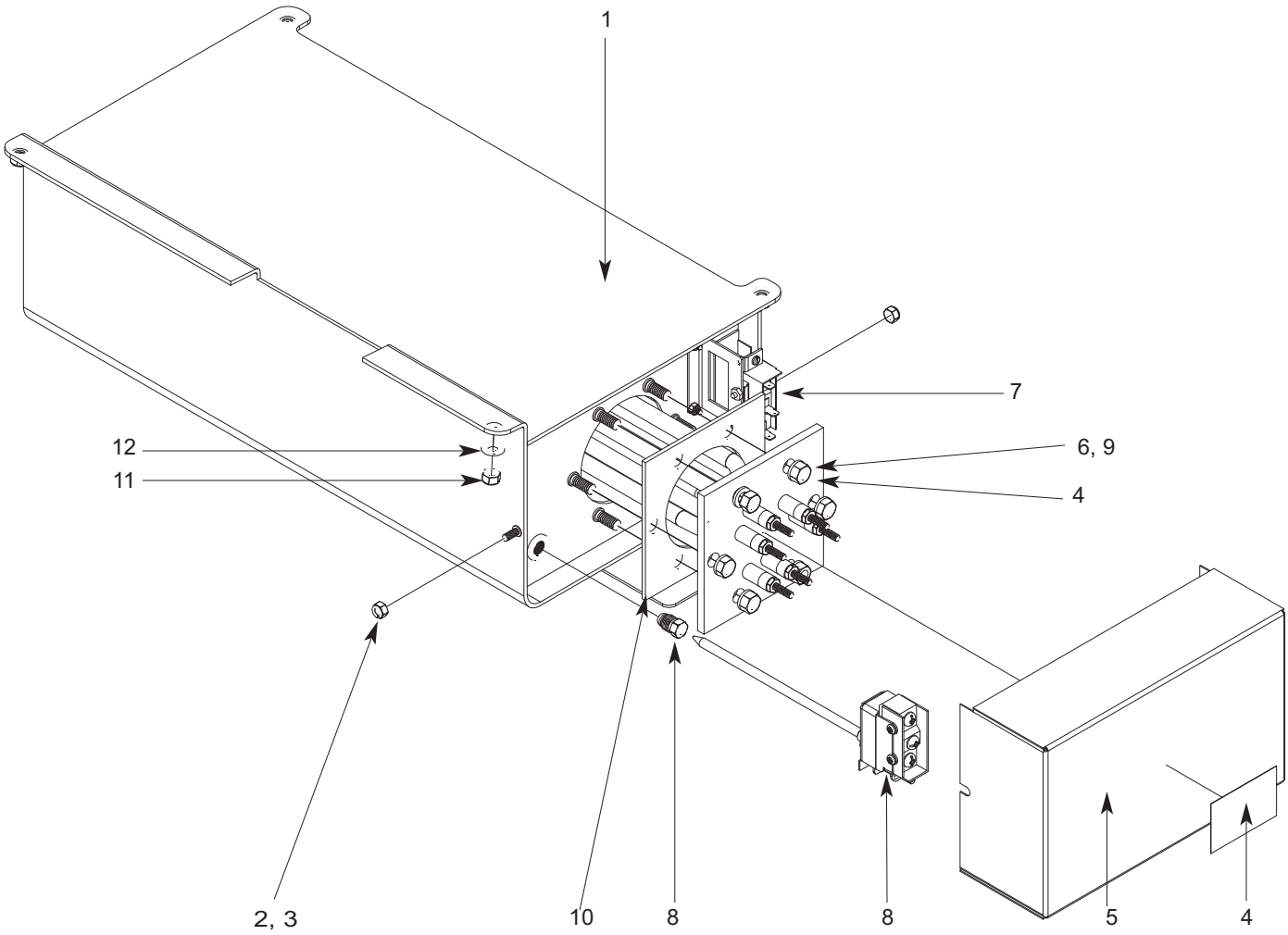
Frame Weldment, 415V
05700-002-62-41

Bullet Foot
05340-108-02-06

Bullet Foot, 415V
05340-002-14-55

Flange Feet
05340-002-01-15

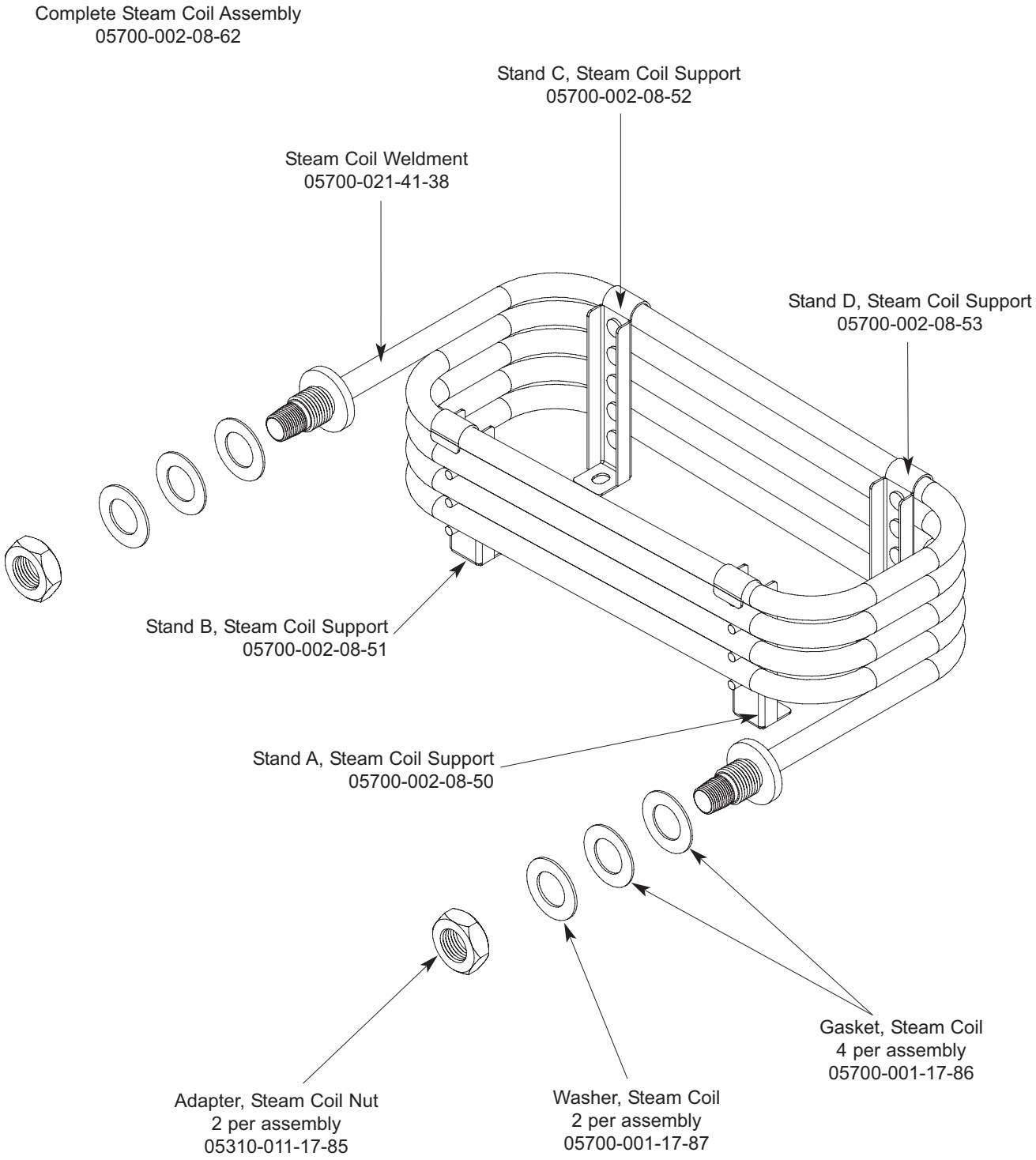
RINSE TANK ASSEMBLY



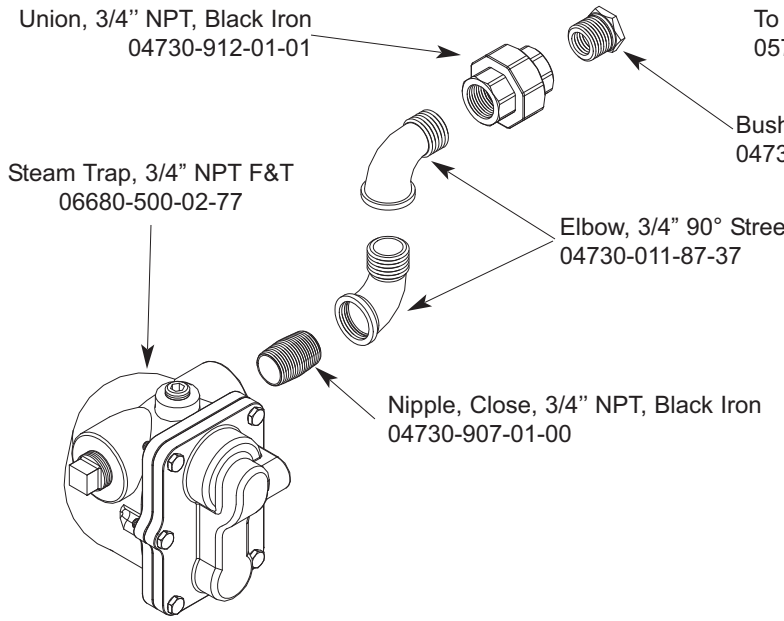
SEE PAGE ENTITLED
“WASH HEATERS/RINSE HEATERS”.

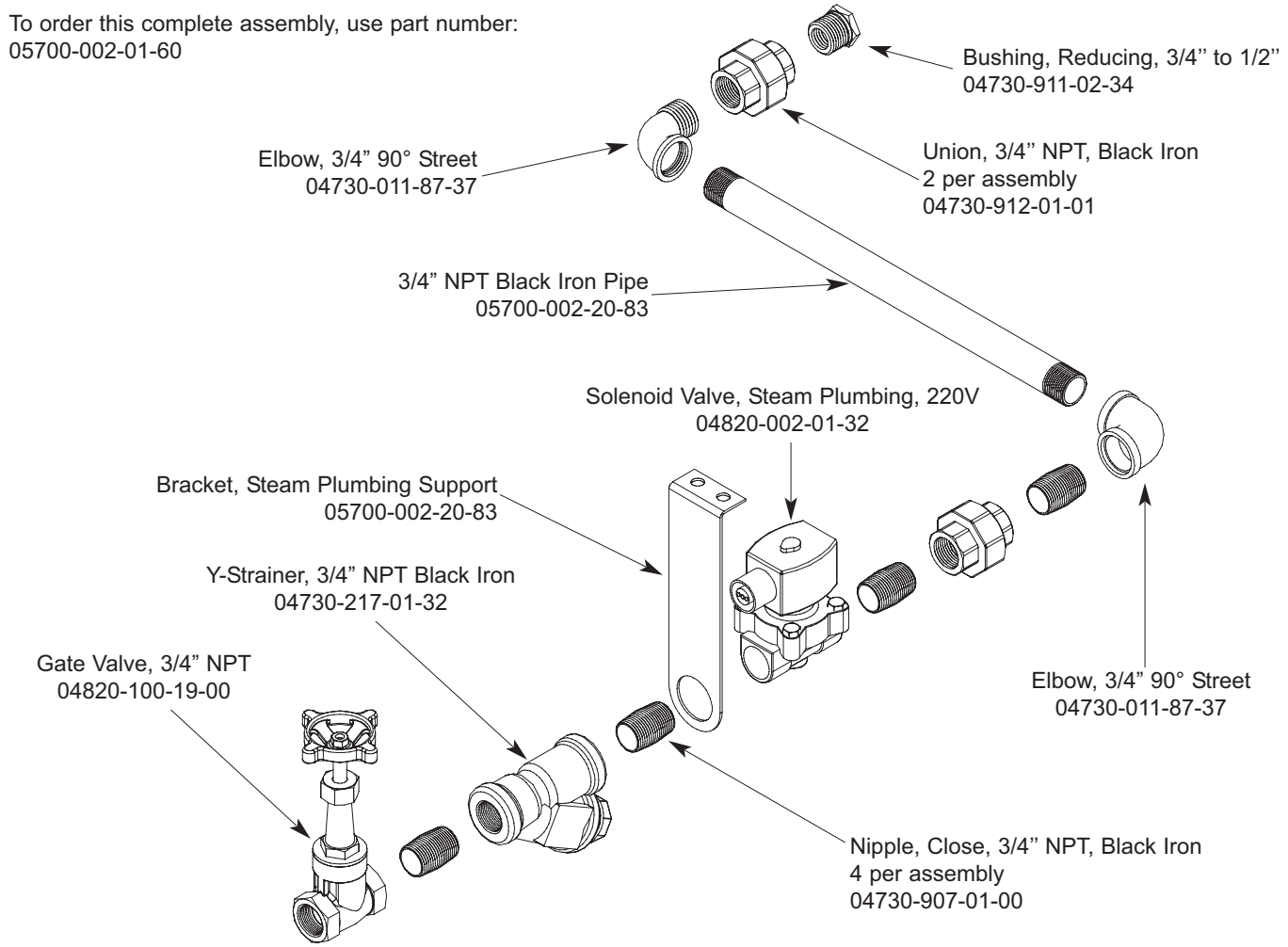
ITEM	QTY	DESCRIPTION	Mfg. No.
1	1	Booster Tank Weldment	05700-002-10-19
2	2	Locknut, 10-24 with Nylon Insert	05310-373-01-00
3	2	Washer, #10 S/S Flat	05311-173-01-00
4	1	Decal, Warning - Disconnect Power	09905-100-75-93
5	1	Booster Tank Cover Weldment	05700-002-16-51
6	6	Nut, Hex, 5/16"-18	05310-275-01-00
7	1	Thermostat, High Limit	05930-011-49-43
8	1	Thermostat, Regulating with Imperial Brass Fitting	06401-011-66-55
9	6	Lockwasher, 5/16” Split	05311-275-01-00
10	1	Gasket, Rinse Heater	05330-200-02-70
11	4	Locknut, 1/4”-20 with Nylon Insert	05310-374-01-00
12	4	Washer, 1/4” S/S Flat	05311-174-01-00

COIL ASSEMBLY



INCOMING STEAM PLUMBING ASSEMBLIES





SECTION 5: PARTS SECTION

MOTORS - WASH HEATERS - RINSE HEATERS

The models covered in this manual come supplied with various wash motor assemblies (a wash motor assembly includes the wash motor and the pump end), depending on the characteristics of the machine. To ensure that you order the correct wash motor assembly for the model you are servicing, please refer to the following table:

Model	Volts	Hz	Phase	Wash Motor Assembly
Tempstar HH	415	50	3	06105-002-45-07
Tempstar HH, HH NB, HH S	208	60	1	06105-002-01-29
Tempstar HH, HH NB, HH S	230	60	1	06105-002-01-29
Tempstar HH, HH NB, HH S	208	60	3	06105-002-01-29
Tempstar HH, HH NB, HH S	230	60	3	06105-002-01-29
Tempstar HH, HH NB, HH S	460	60	3	06105-002-09-30

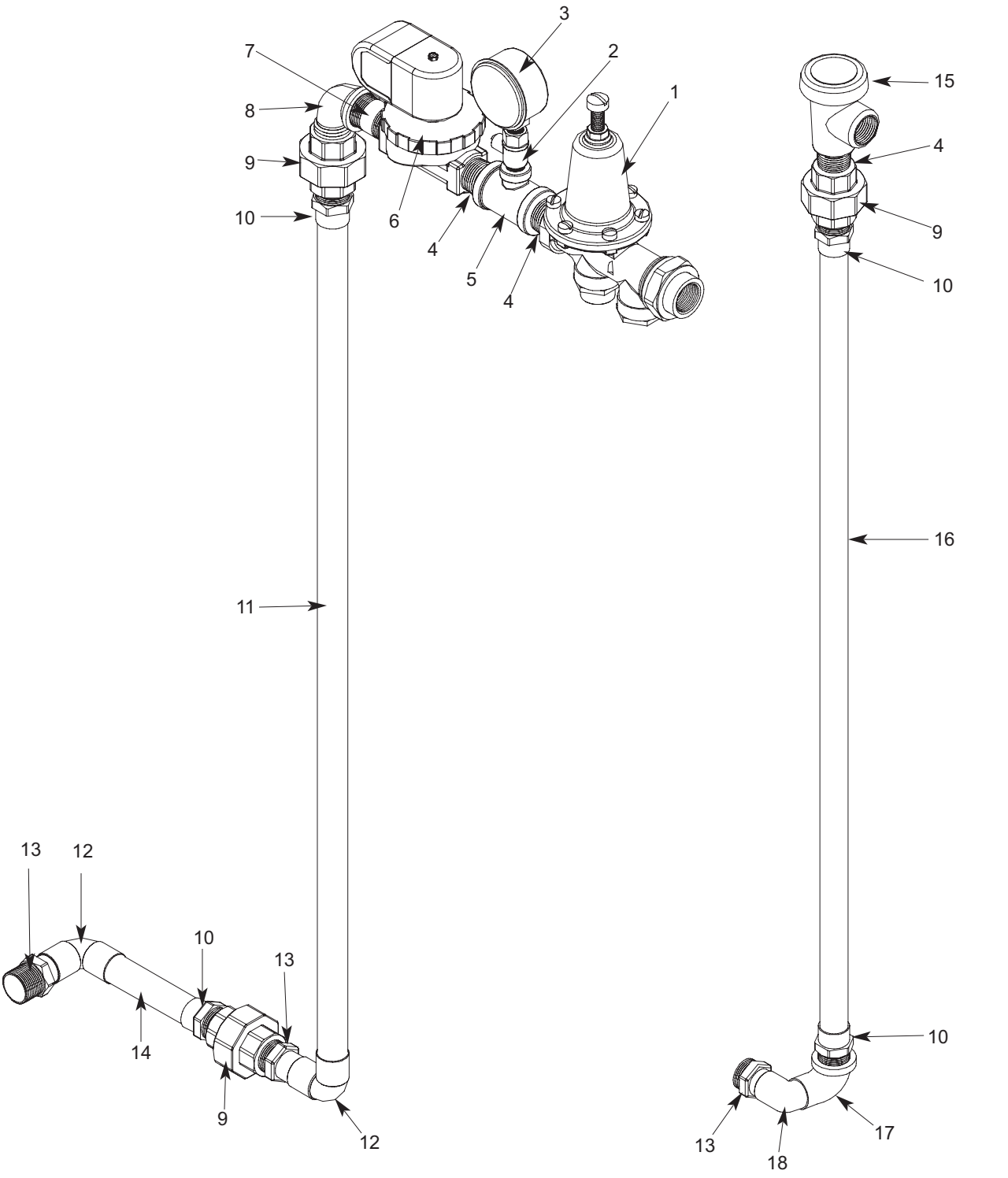
Important note: When servicing a wash motor, it is important to refer to the wiring schematic found on the motor, to ensure that the motor is wired correctly. Different manufacturers of motors may not use the same wire color codes and therefore, your new motor, which may have been built by someone different than who built your original motor, may not connect using the same wires. Always refer to the wiring diagrams on the motor you are installing. If the motor you are installing has had the schematic removed, contact Jackson MSC immediately for technical support.

The Tempstar models covered in this manual come supplied with various heaters, depending on the characteristics of the machine. To ensure that you order the correct heater for the model you are servicing, please refer to the following table:

					40°F Rise	70°F Rise
Model	Volts	Hz	Phase	Wash Heater	Rinse Heater (12 KW)	Rinse Heater (14 KW)
Tempstar HH	415	50	3	04540-002-43-09	04540-002-43-10	N/A
Tempstar HH	208	60	1	04540-121-47-39	04540-121-47-40	04540-121-63-38
Tempstar HH	230	60	1	04540-121-47-39	04540-121-47-40	04540-121-63-38
Tempstar HH	208	60	3	04540-121-47-39	04540-121-47-40	04540-121-63-38
Tempstar HH	230	60	3	04540-121-47-39	04540-121-47-40	04540-121-63-38
Tempstar HH	460	60	3	04540-121-65-99	04540-100-01-15	04540-121-63-39
Tempstar HH NB	208	60	1	04540-121-47-39		
Tempstar HH NB	230	60	1	04540-121-47-39		
Tempstar HH NB	208	60	3	04540-121-47-39		
Tempstar HH NB	230	60	3	04540-121-47-39		
Tempstar HH NB	460	60	3	04540-121-65-99		
Tempstar HH S	208	60	1	04540-121-47-39		
Tempstar HH S	230	60	1	04540-121-47-39		
Tempstar HH S	208	60	3	04540-121-47-39		
Tempstar HH S	230	60	3	04540-121-47-39		
Tempstar HH S	460	60	3	04540-121-65-99		

INCOMING PLUMBING

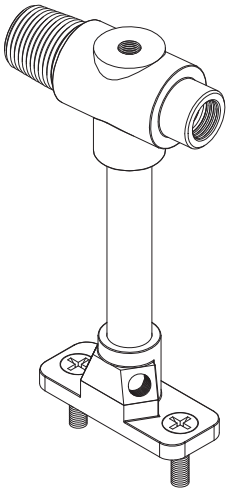
OUTLET PLUMBING



INCOMING & OUTLET PLUMBING ASSEMBLIES (CONTINUED)

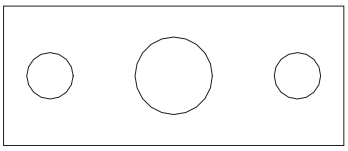
ITEM	QTY	DESCRIPTION	Mfg. No.
1	1	Water Pressure Regulator, 3/4" NPT	06685-011-58-22
2	1	Valve, Ball, 1/4" NPT	04810-011-72-67
3	1	Gauge, Pressure, 0-100 PSI	06685-111-88-34
4	2	Nipple, Close, 3/4" NPT	04730-207-34-00
5	1	Tee, Brass, 3/4" NPT x 3/4" NPT x 1/4" NPT	04730-211-04-00
6	1	Valve, Solenoid, 3/4" NPT	04810-100-03-18
7	1	Nipple, Brass, 3/4" NPT x 2" Long	04730-207-46-00
8	1	Elbow, 3/4" NPT, Brass, Street	04730-206-04-34
9	3	Union, 3/4" NPT, Brass with O-ring	05700-002-63-79
10	4	Adapter, 3/4" Male	04730-401-11-01
11	1	Tube, Copper, 3/4" x 48" Long	05700-011-87-89
12	2	Elbow, 3/4", 90°, #707 Copper	04730-406-16-01
13	3	Adapter, 3/4", 604-2	04730-401-10-01
14	1	Tube, Copper, 3/4" x 3 3/4" Long	05700-011-58-28
15	1	Vacuum Breaker, 3/4" NPT	04820-002-53-77
16	1	Tube, Copper, 3/4" x 44 3/8" Long	05700-002-25-05
17	1	Elbow, 3/4" 90° Copper to FSPS Brass	04730-406-41-01
18	1	Elbow, 3/4" 90° Copper to Copper Street	04730-406-40-01
19*	2	Double Pipe Clamp	05700-002-23-89
20*	1	Bracket, Incoming Plumbing Support	05700-021-34-02

When servicing plumbing components, take care not to damage the threads of each individual item. Damaged threads can cause leaks and loss of pressure, which could adversely effect the performance of the dishmachine. It is strongly recommended that teflon thread tape, used in conservative amounts, be applied to threads when joining components together. It is not advised to use thread sealing compounds, sometimes referred to as “pipe dope”. Compounds can be ejected from the threads during the tightening process and become lodged in key components, thereby rendering them useless. Some of the components include the solenoid valve and the pressure gauge isolation ball valve.



Rinse Injector Weldment
1 per machine
05700-021-47-65

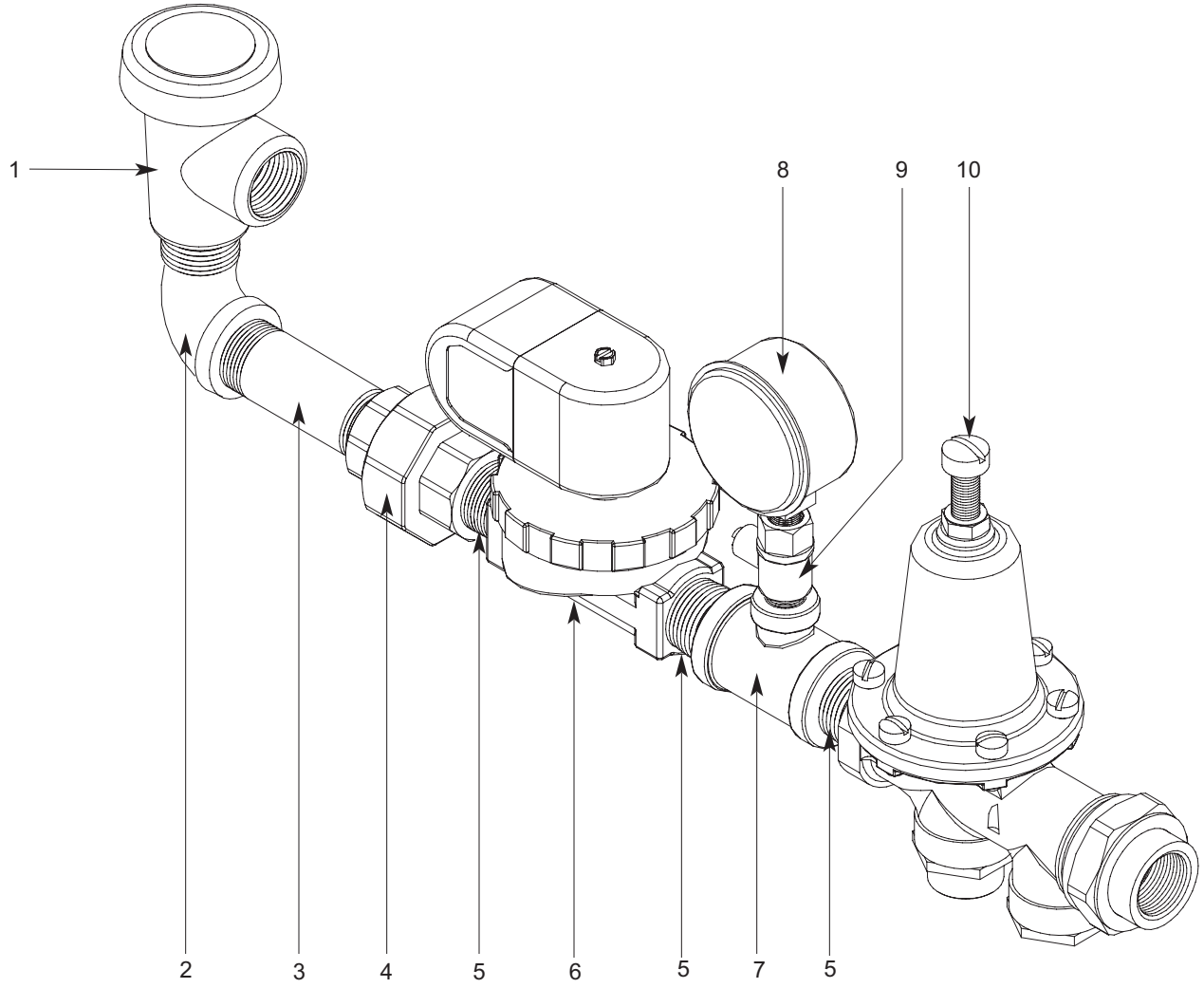
Plug, 1/8” NPT, Brass
3 per Rinse Injector
04730-209-07-37



Rinse Injector Gasket
2 per machine
05330-111-42-81

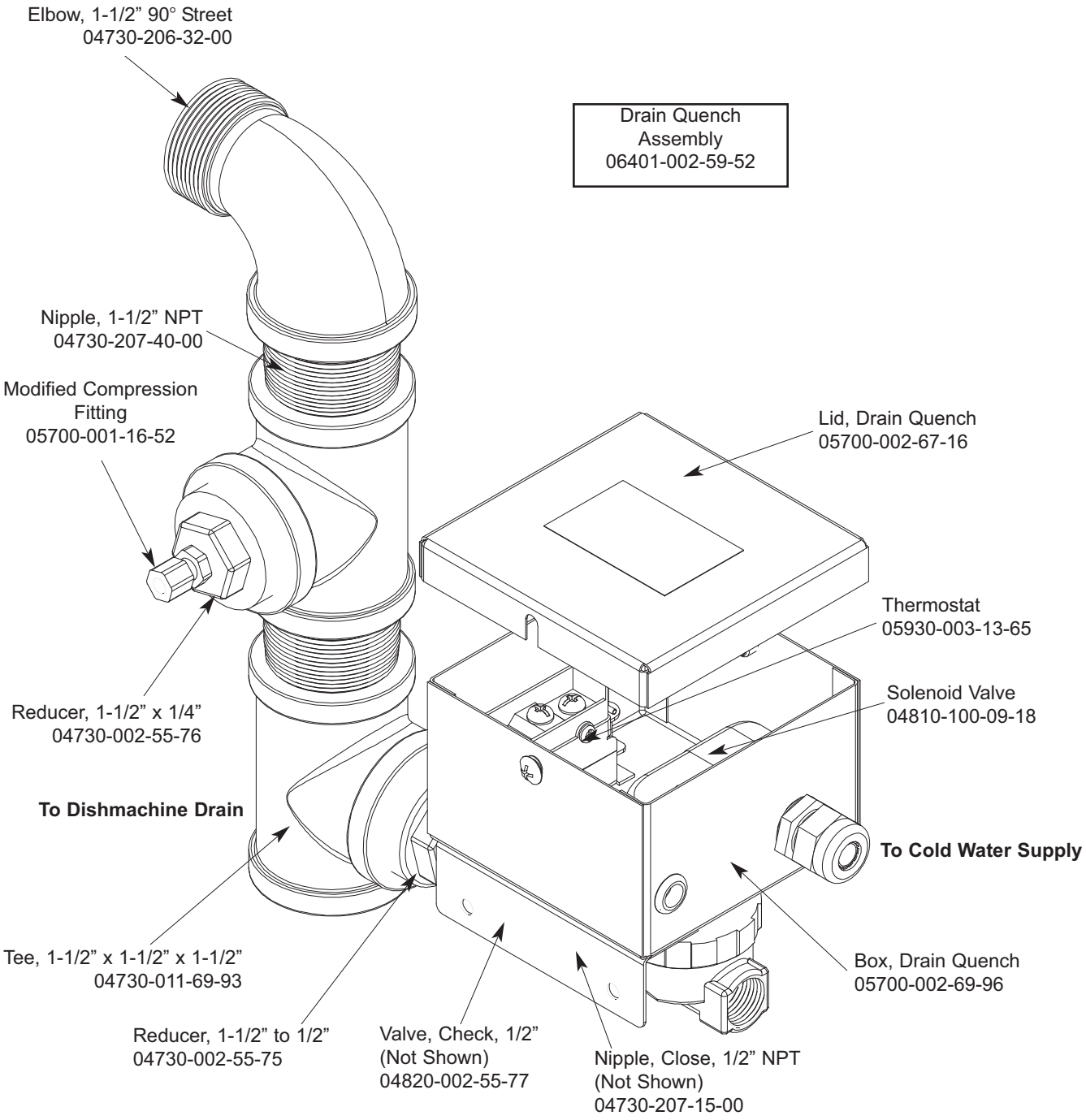
SECTION 5: PARTS SECTION

INCOMING PLUMBING (TEMPSTAR HH NB)



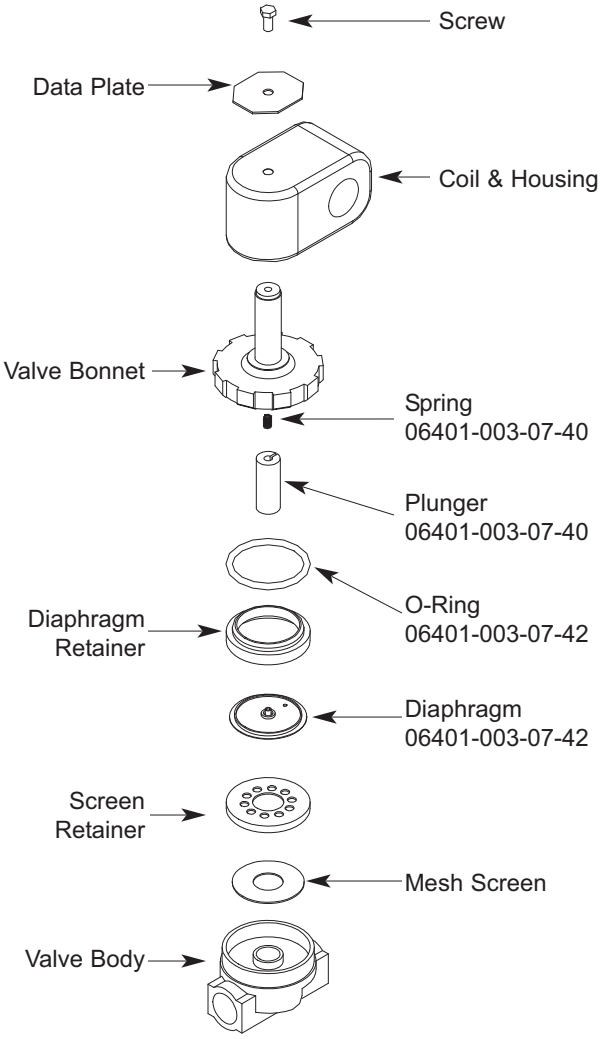
ITEM	QTY	DESCRIPTION	Mfg. No.
1	1	Vacuum Breaker, 3/4" NPT	04820-002-53-77
2	1	Elbow, Brass, Street, 3/4" NPT	04730-206-04-34
3	1	Nipple, Brass, 3/4" NPT x 3" Long	04730-011-38-29
4	1	Union, 3/4" NPT, Brass with O-ring	05700-002-63-79
5	3	Nipple, Close, Brass, 3/4" NPT	04730-207-34-00
6	1	Valve, Solenoid, 3/4" NPT	04810-100-03-18
7	1	Tee, Brass, 3/4" NPT x 3/4" NPT x 1/4" NPT	04730-211-04-00
8	1	Pressure Gauge, 0-100 PSI	06685-111-59-66
9	1	Valve, Ball, Bronze, 1/4" NPT	04810-011-72-67
10	1	Water Pressure Regulator	06685-011-58-22

DRAIN QUENCH ASSEMBLY



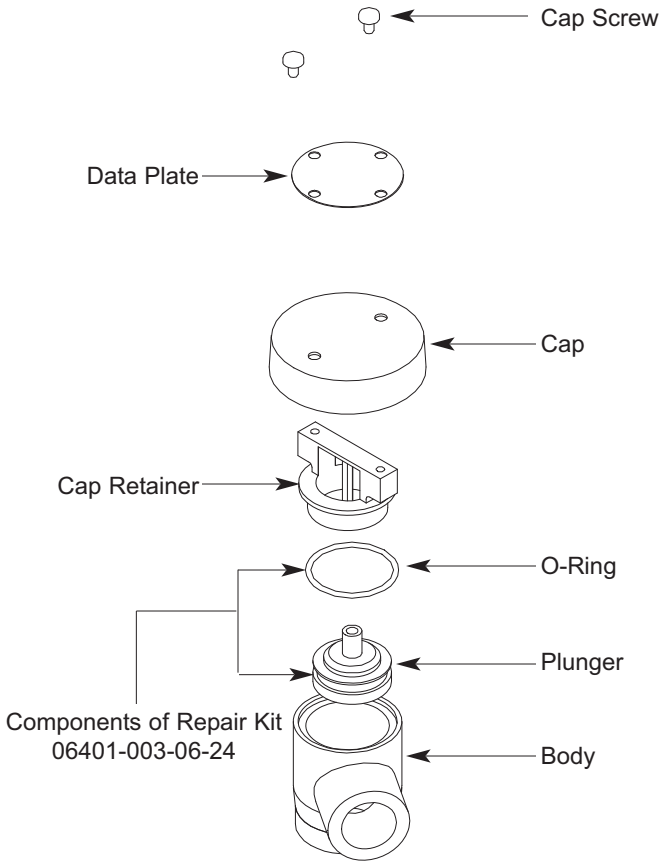
From the existing drain, attach the two additional Tees using the 1-1/2” NPT Close Nipples. Tighten the Reducers into the Tees as shown above. Attach the Modified Compression Fitting into the 1-1/2” to 1/4” Reducer. Position the bulb of the thermostat so that it rests approximately 1/4” from the bottom of the Tee. Tighten the Modified Compression Fitting as required. Attach to the incoming cold water line. Use pipe dope or thread tape as required to prevent any leaks.

3/4” SOLENOID VALVE & 3/4” VACUUM BREAKER REPAIR PARTS KITS

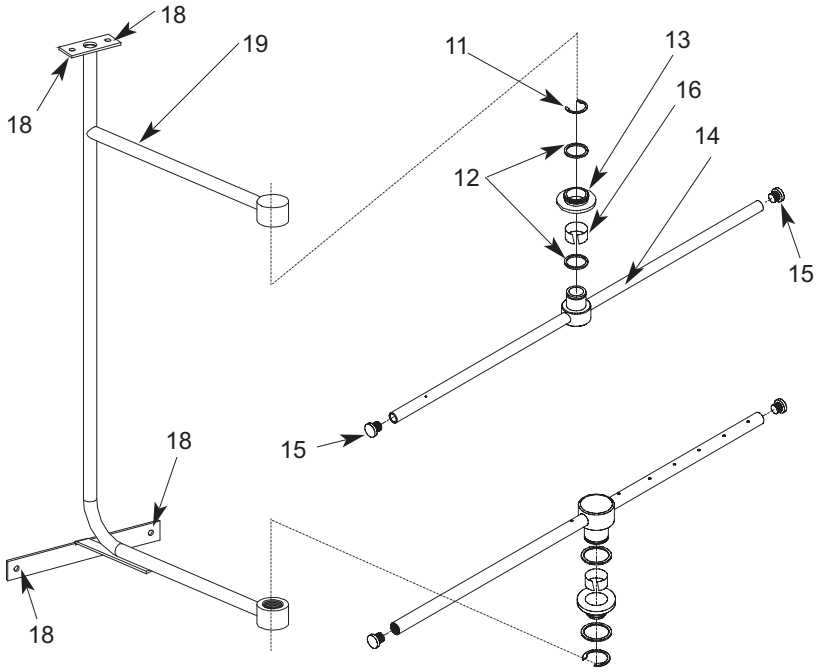


Complete 240 Volt Solenoid Valve Assembly
04810-100-03-18

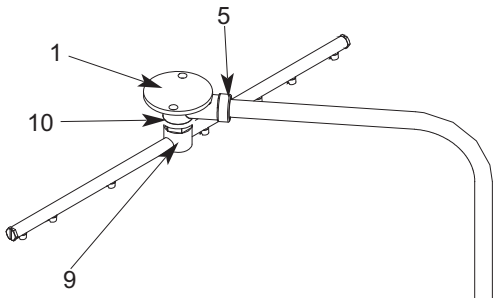
Coil & Housing only
06401-003-07-44

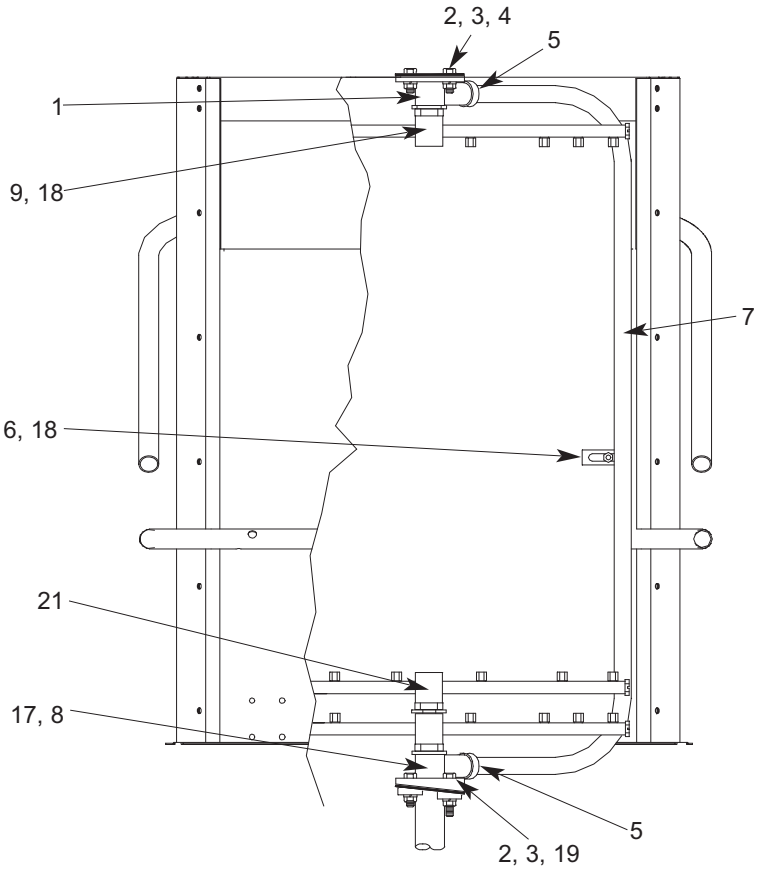


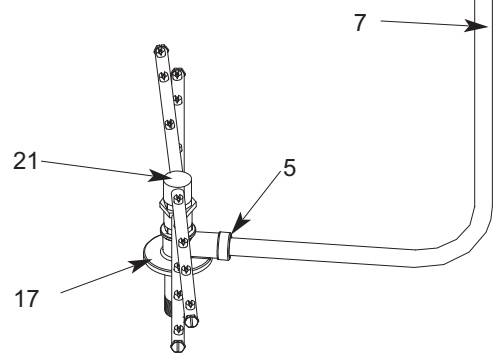
Complete Vacuum Breaker Assembly
04820-002-53-77



DETAIL "A"
FINAL RINSE ARMS & MANIFOLD



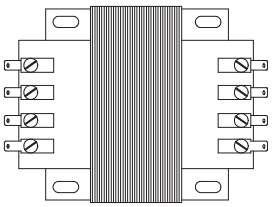


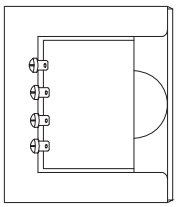


DETAIL "B"
WASH ARMS & MANIFOLD

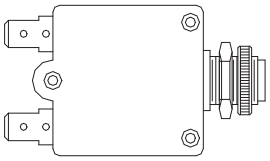
WASH & RINSE ARM/MANIFOLD ASSEMBLIES (CONTINUED)

ITEM	QTY	DESCRIPTION	Mfg. No.
1	1	Upper Manifold	05700-031-34-82
2	4	Nut, 3/8"-16 S/S Hex	05310-276-01-00
3	4	Lockwasher, 3/8	05311-276-01-00
4	2	Bolt, Hex 3/8”-16 x 7/8" Long	05306-011-36-95
5	2	O Ring	05330-111-35-15
6	1	Positioning Bracket, Manifold Tube	05700-011-34-63
7	1	Tube, Wash Manifold	05700-031-92-58
8	2	Gasket, Manifold	05700-111-35-03
*	1	Wash Arm Assembly	05700-021-35-39
9	1	Wash Arm Weldment	05700-021-35-93
10	1	Bearing Assembly	05700-021-35-97
*	1	O-ring	05330-002-60-69
*	1	Wash Arm Assembly, 415V	05700-021-63-81
9	1	Wash Arm Weldment, 415V	05700-021-63-42
10	1	Bearing Assembly, 415V	05700-021-63-80
*	2	Rinse Arm Assembly	05700-002-58-09
11	2	Clip, Retaining, Rinse Head Bushing	05340-112-01-11
12	4	Washer	05330-011-42-10
13	2	Bushing, Rinse Head	05700-021-33-84
14	2	Rinse Arm	05700-031-49-58
15	4	Plug	04730-609-04-00
16	2	Bearing	03120-002-72-24
17	1	Lower Wash Manifold Weldment	05700-002-21-70
18	5	Locknut, 1/4"-20 S/S Hex with Nylon Insert	05310-374-01-00
19	1	Rinse Manifold Weldment	05700-002-01-19
20	2	Bolt, Hex 3/8”-16 x 1 1/4" Long	05305-276-10-00
21	1	Wash Arm, Double Assembly	05700-031-92-49
21	1	Wash Arm, Double Assembly, 415V	05700-002-46-86

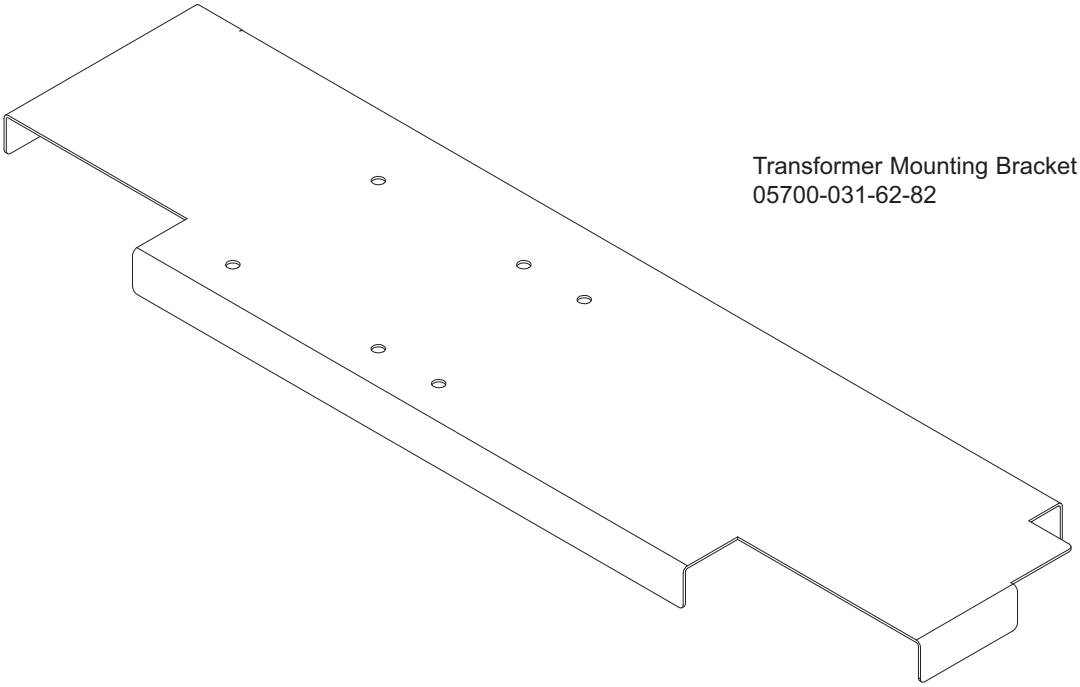




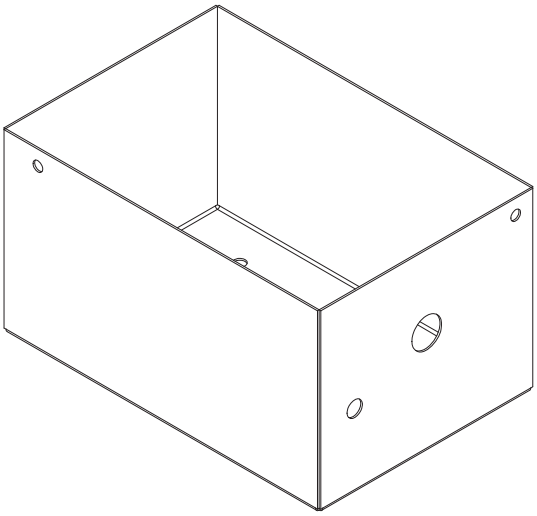
460V Transformer
05950-111-65-93



2 Amp Circuit Breaker
05925-111-64-18

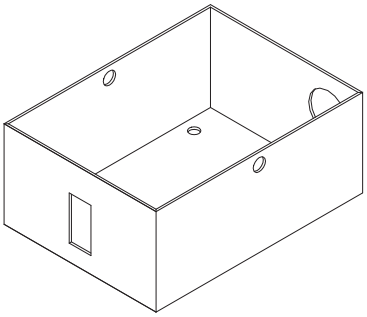


Transformer Mounting Bracket
05700-031-62-82

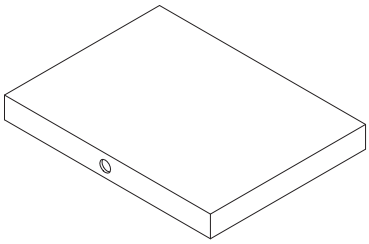


Transformer Mounting Box
05700-002-10-01

Transformer Mounting Box Top (not shown)
05700-000-78-53



Safety Door Interlock Box Bottom
05700-001-21-26



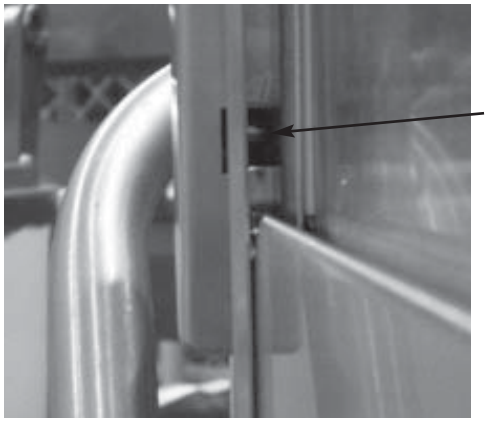
Safety Door Interlock Box Cover
05700-001-21-27

Other Safety Door Interlock (SDI) components (not shown):

Pipe Clamp (found on the side of the machine)
05700-000-35-05

Solenoid, Electrical Interlock Option
04810-100-61-33

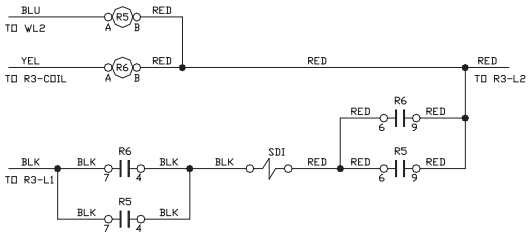
Relay
05945-111-47-51



The following instructions are for Tempstar HH models equipped with the Safety Door Interlock option. These instructions are to only be used in the event that the door interlock fails to unlatch and the doors are unable to be opened.

1. To manually disengage, find the latch access hole.
2. Using a screwdriver, punch or even a metal utensil, gently insert the tip into the access hole, making contact with the latching arm.
3. With a minimal amount of force, push the latching arm back, disengaging the interlock.
4. The doors should open now.

TEMPSTAR SDI OPTION

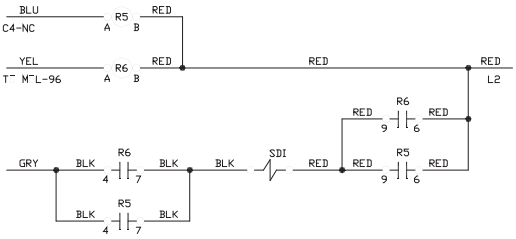


LEGEND

R5 RINSE RELAY
R6 WASH RELAY
SDI SAFETY DOOR INTERLOCK SOLENOID

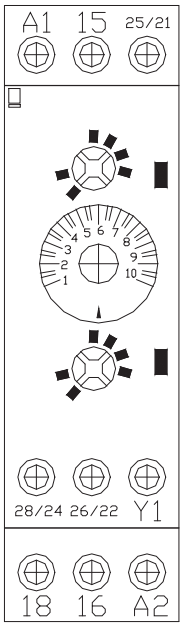
09905-002-35-85a

TEMPSTAR 460V SDI OPTION

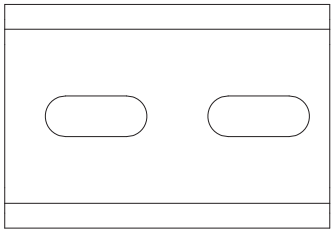


LEGEND

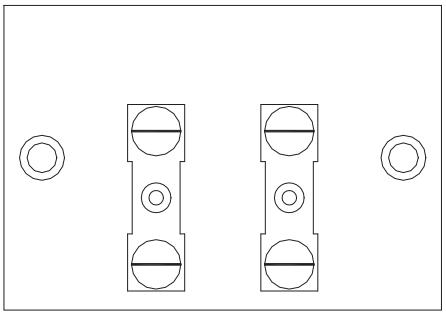
R5 RINSE RELAY
R6 WASH RELAY
SDI SAFETY D[illegible]R INTERL[illegible]CK S[illegible]LEN[illegible]D



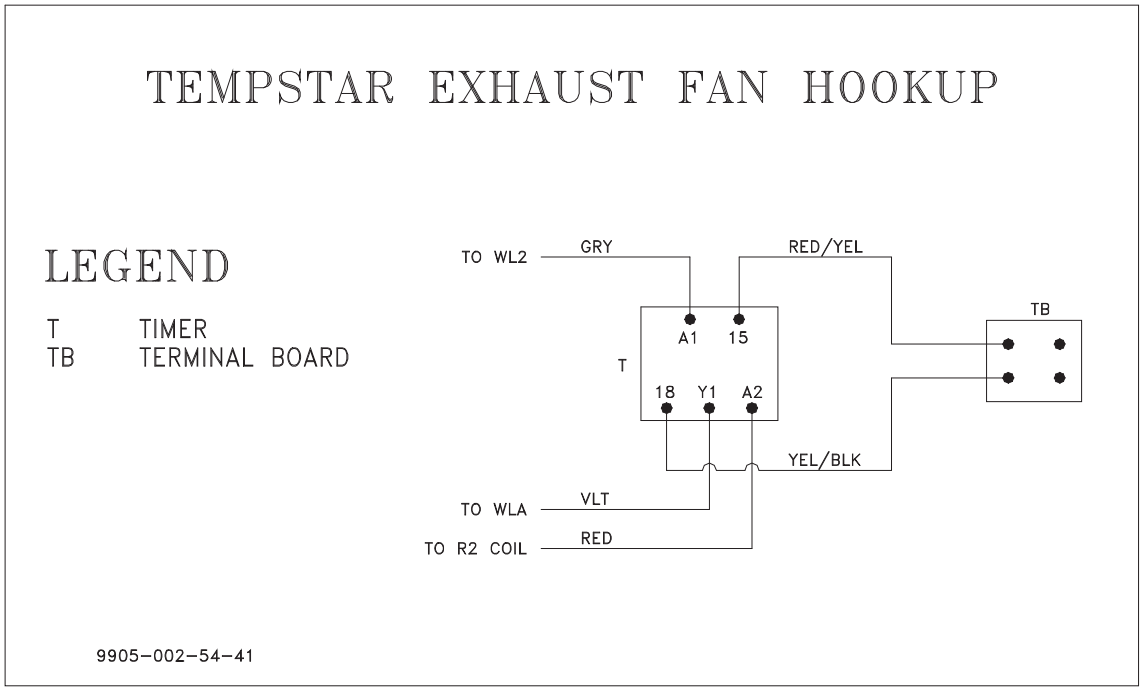
Delay Timer
05945-011-65-44



2” Din Rail
05700-002-36-09



Terminal Board
05940-011-84-41

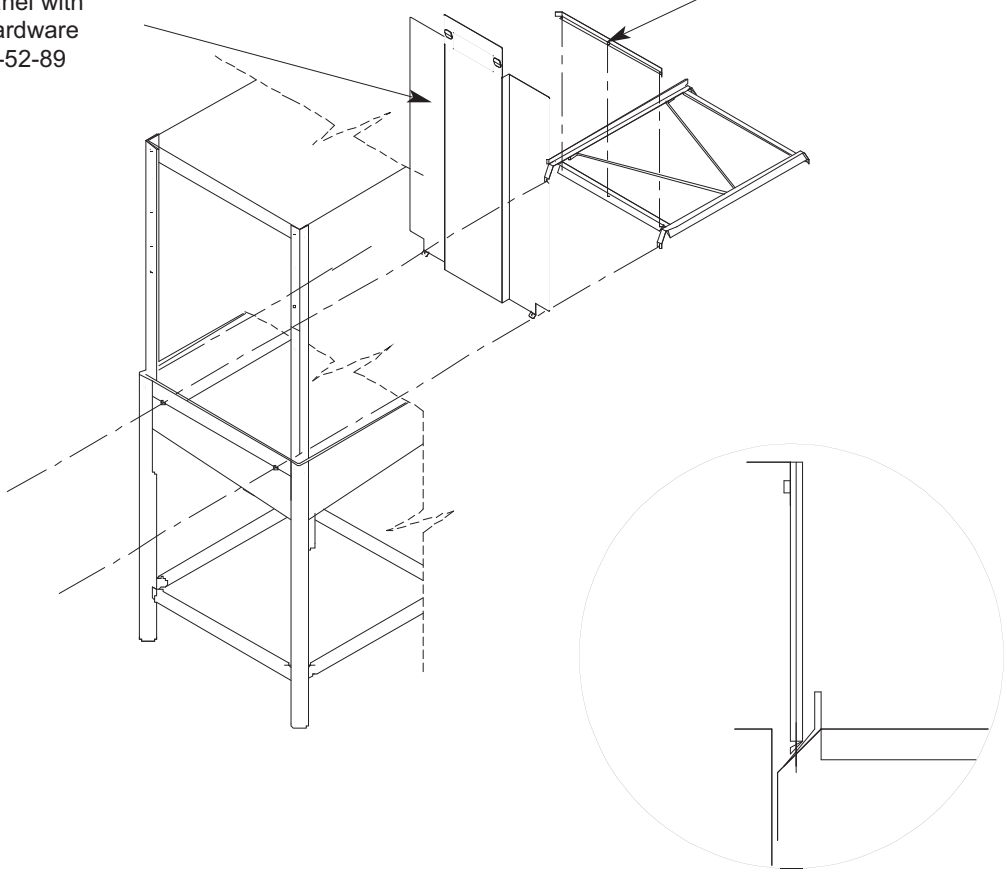


FALSE PANEL INSTALLATION

False Panel
05700-002-52-54

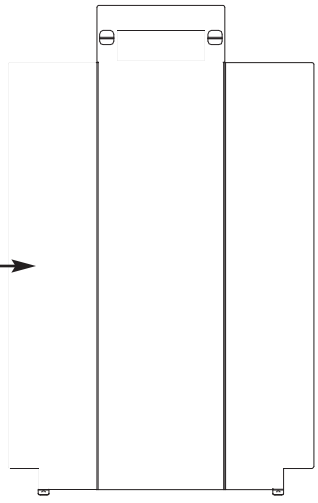
Kit, False Panel with
Mounting Hardware
05700-002-52-89

Rack rail removed and repositioned for a corner operation.



False Panel Positioned in unit.

Insert this side first.



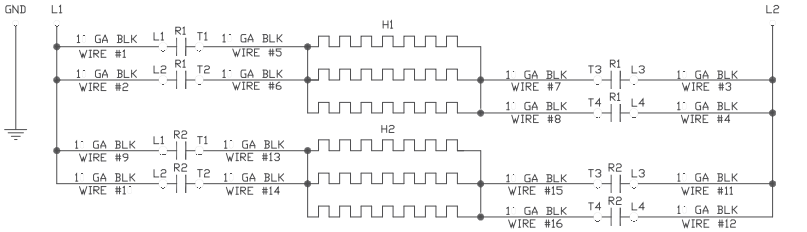
Bottom of False Panel

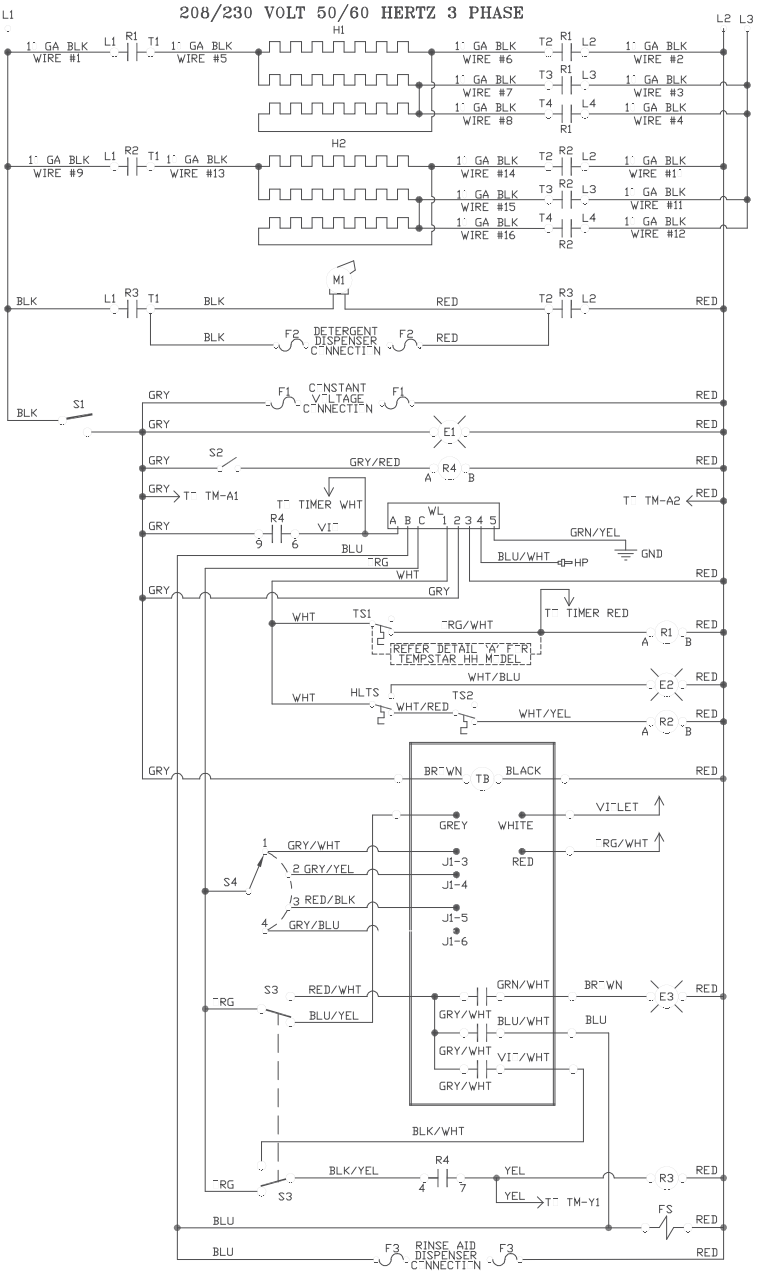
1. Remove the rack assembly from the dishmachine.
2. The false panel will mount inside of the dishmachine.
3. Position the panel in the dishmachine on the side to be closed.
4. Hold the panel against the side of the dishmachine and push upward.
5. The panel will clip in at the top, inside of the unit.
6. The holes in the false panel will line up with the rack assembly holes.
7. Re-install the screws for the rack assembly which will secure the false panel to the unit.
8. Re-assemble the rack track in an “L” shape for a corner operation.

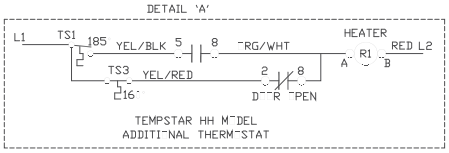
SECTION 6:
ELECTRICAL SCHEMATICS

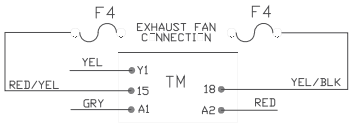
LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
GND	GROUND
H1	RINSE HEATER
H2	WASH HEATER
M1	WASH MOTOR
R1	RINSE HEATER CONTACTOR
R2	WASH HEATER CONTACTOR
R3	WASH MOTOR CONTACTOR
R4	CONTROL RELAY
F1	CONSTANT VOLTAGE CONNECTION
F2	DETERGENT DISPENSER FUSE BLOCK
F3	RINSE DISPENSER FUSE BLOCK
F4	EXHAUST FAN FUSE BLOCK
S1	POWER SWITCH
S2	DOOR SWITCH
S3	AUTO/MANUAL (DELIME) SWITCH
S4	CYCLE SELECTOR
E1	POWER LIGHT
E2	HEATER OVERLOAD LIGHT
E3	CYCLE LIGHT
HLTS	WASH HEATER HIGH LIMIT THERMOSTAT
TS1	RINSE HEATER THERMOSTAT 1
TS2	WASH HEATER THERMOSTAT
HP	HIGH WATER LEVEL PROBE
WL	WATER LEVEL CONTROL
FS	RINSE/FILL SOLENOID
TB	TIMER BOARD
TM	EXHAUST FAN TIMER

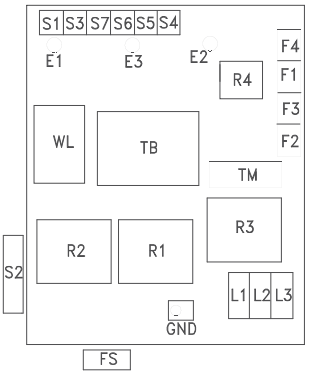






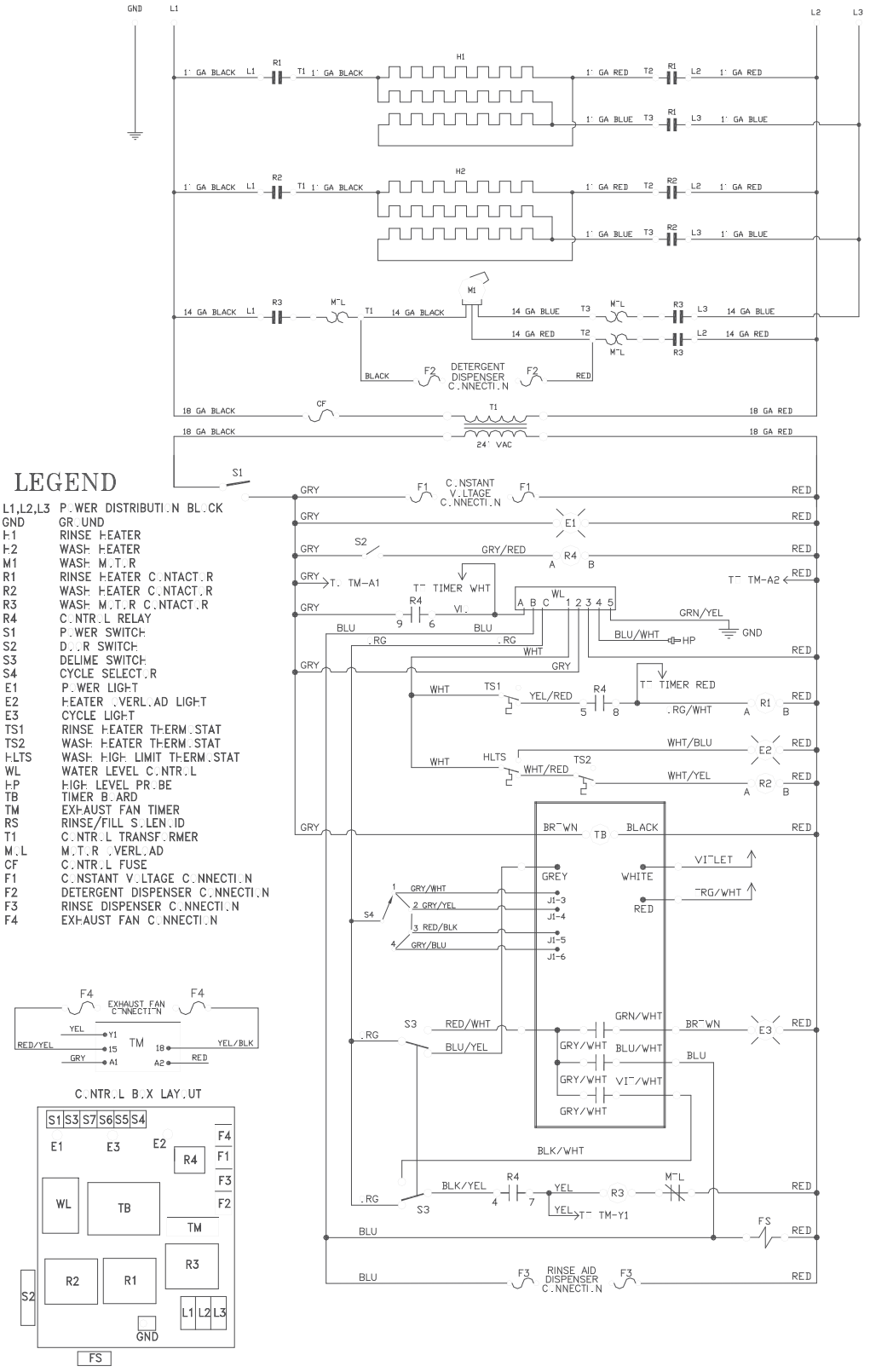


C.NTR.L B.X LAY.UT



SECTION 6: ELECTRICAL SCHEMATICS

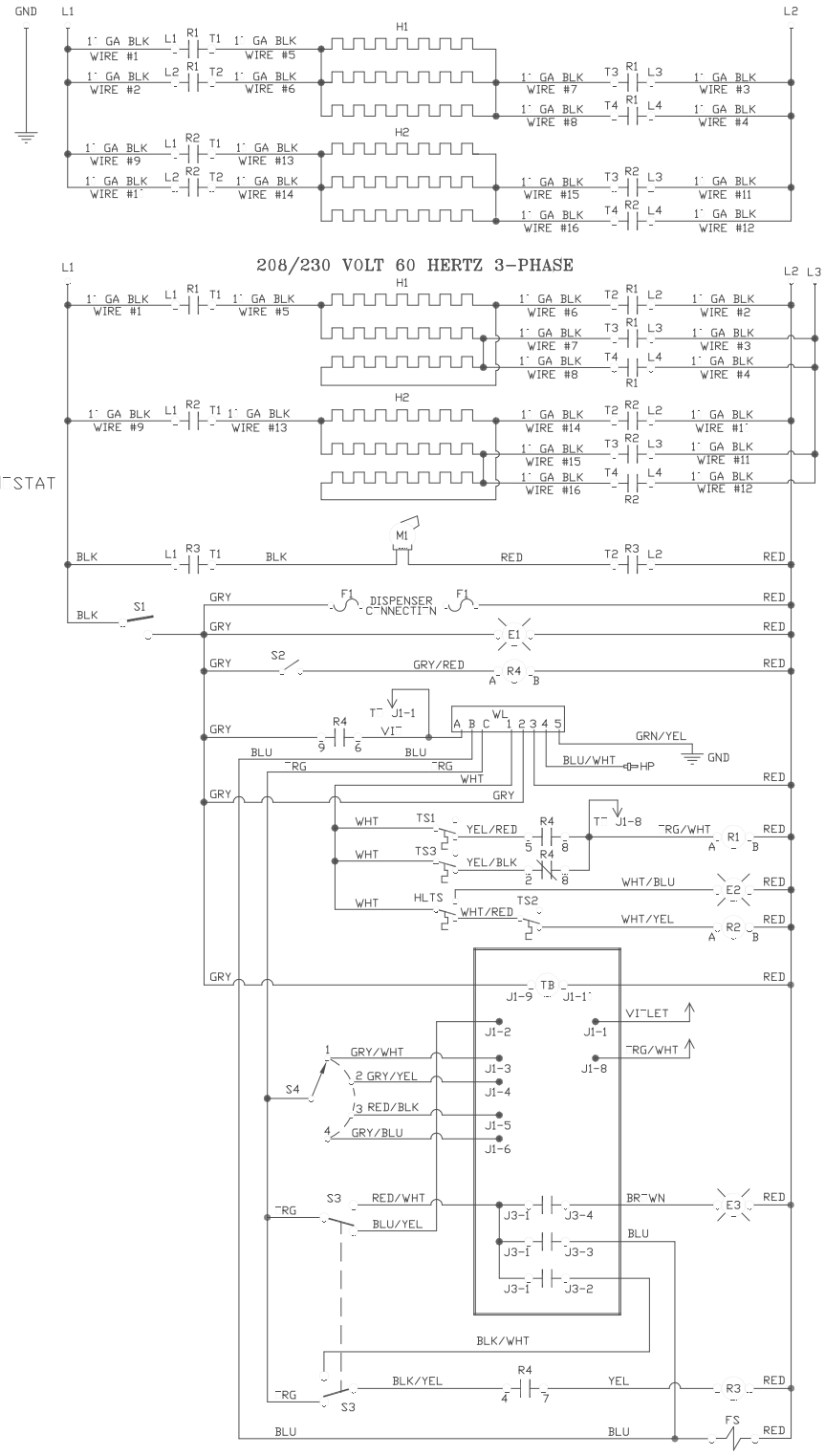
Tempstar HH (TOP MOUNT W/ CYCLE SWITCHES) 460 VOLT - 60 HERTZ -THREE PHASE

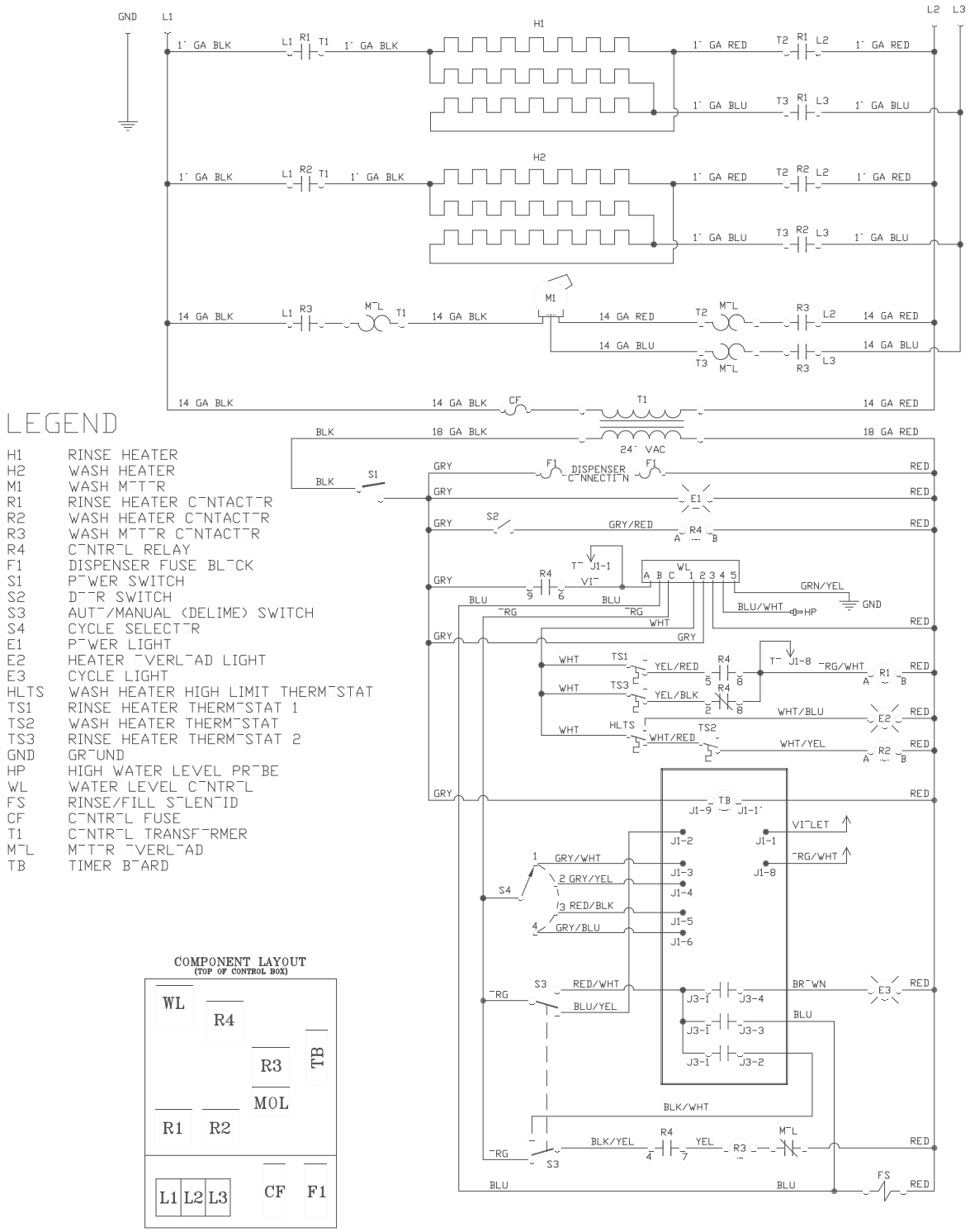


Tempstar HH (UNIVERSAL TIMER) 208-230 VOLT - 60 HERTZ - SINGLE & THREE PHASE

LEGEND

L1 L2 L3	RINSE HEATER
GND	GROUND
H1	RINSE HEATER
H2	WASH HEATER
M1	WASH MOTOR
R1	RINSE HEATER CONTACTOR
R2	WASH HEATER CONTACTOR
R3	WASH MOTOR CONTACTOR
R4	CONTROL RELAY
F1	DISPENSER FUSE BLOCK
S1	POWER SWITCH
S2	DOOR SWITCH
S3	AUTO/MANUAL (DELIME) SWITCH
S4	CYCLE SELECTOR
E1	POWER LIGHT
E2	HEATER OVERLOAD LIGHT
E3	CYCLE LIGHT
HLTS	WASH HEATER HIGH LIMIT THERMOSTAT
TS1	RINSE HEATER THERMOSTAT 1
TS2	WASH HEATER THERMOSTAT
TS3	RINSE HEATER THERMOSTAT 2
HP	HIGH WATER LEVEL PROBE
WL	WATER LEVEL CONTROL
FS	RINSE/FILL SOLENOID
TB	TIMER BOARD





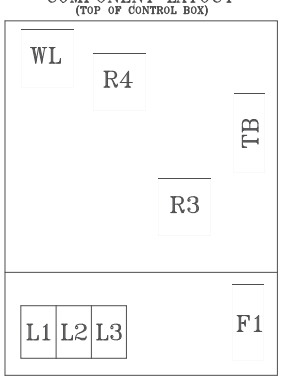
LEGEND

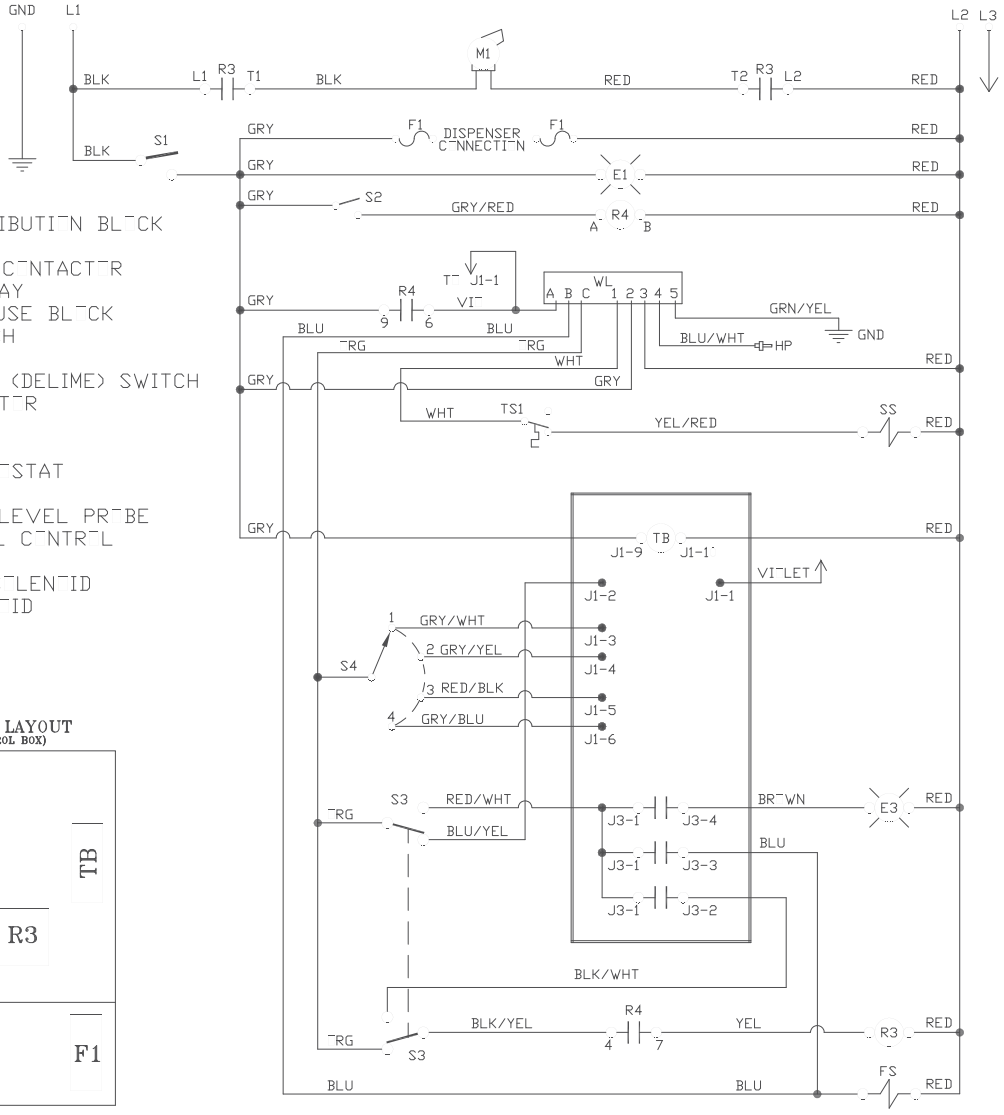
H1	RINSE HEATER
H2	WASH HEATER
M1	WASH MOTOR
R1	RINSE HEATER CONTACTOR
R2	WASH HEATER CONTACTOR
R3	WASH MOTOR CONTACTOR
R4	CONTROL RELAY
F1	DISPENSER FUSE BLOCK
S1	POWER SWITCH
S2	DOOR SWITCH
S3	AUTO/MANUAL (DELIME) SWITCH
S4	CYCLE SELECTOR
E1	POWER LIGHT
E2	HEATER OVERLOAD LIGHT
E3	CYCLE LIGHT
HLTS	WASH HEATER HIGH LIMIT THERMOSTAT
TS1	RINSE HEATER THERMOSTAT 1
TS2	WASH HEATER THERMOSTAT
TS3	RINSE HEATER THERMOSTAT 2
GND	GROUND
HP	HIGH WATER LEVEL PROBE
WL	WATER LEVEL CONTROL
FS	RINSE/FILL SOLENOID
CF	CONTROL FUSE
T1	CONTROL TRANSFORMER
M-L	MOTOR OVERLOAD
TB	TIMER BOARD

LEGEND

L1 L2 L3	P~WER DISTRIBUTI~N BL~CK
M1	WASH M~T~R
R3	WASH M~T~R C~NTACT~R
R4	C~NTR~L RELAY
F1	DISPENSER FUSE BL~CK
S1	P~WER SWITCH
S2	D~~R SWITCH
S3	AUT~/MANUAL (DELIME) SWITCH
S4	CYCLE SELECT~R
E1	P~WER LIGHT
E3	CYCLE LIGHT
TS1	STEAM THERM~STAT
GND	GR~UND
HP	HIGH WATER LEVEL PR~BE
WL	WATER LEVEL C~NTR~L
TB	TIMER B~ARD
FS	RINSE/FILL S~LEN~ID
SS	STEAM S~LEN~ID

COMPONENT LAYOUT
(TOP OF CONTROL BOX)

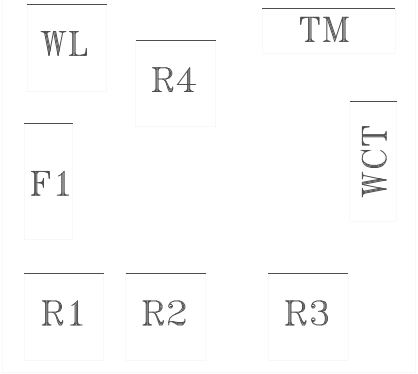


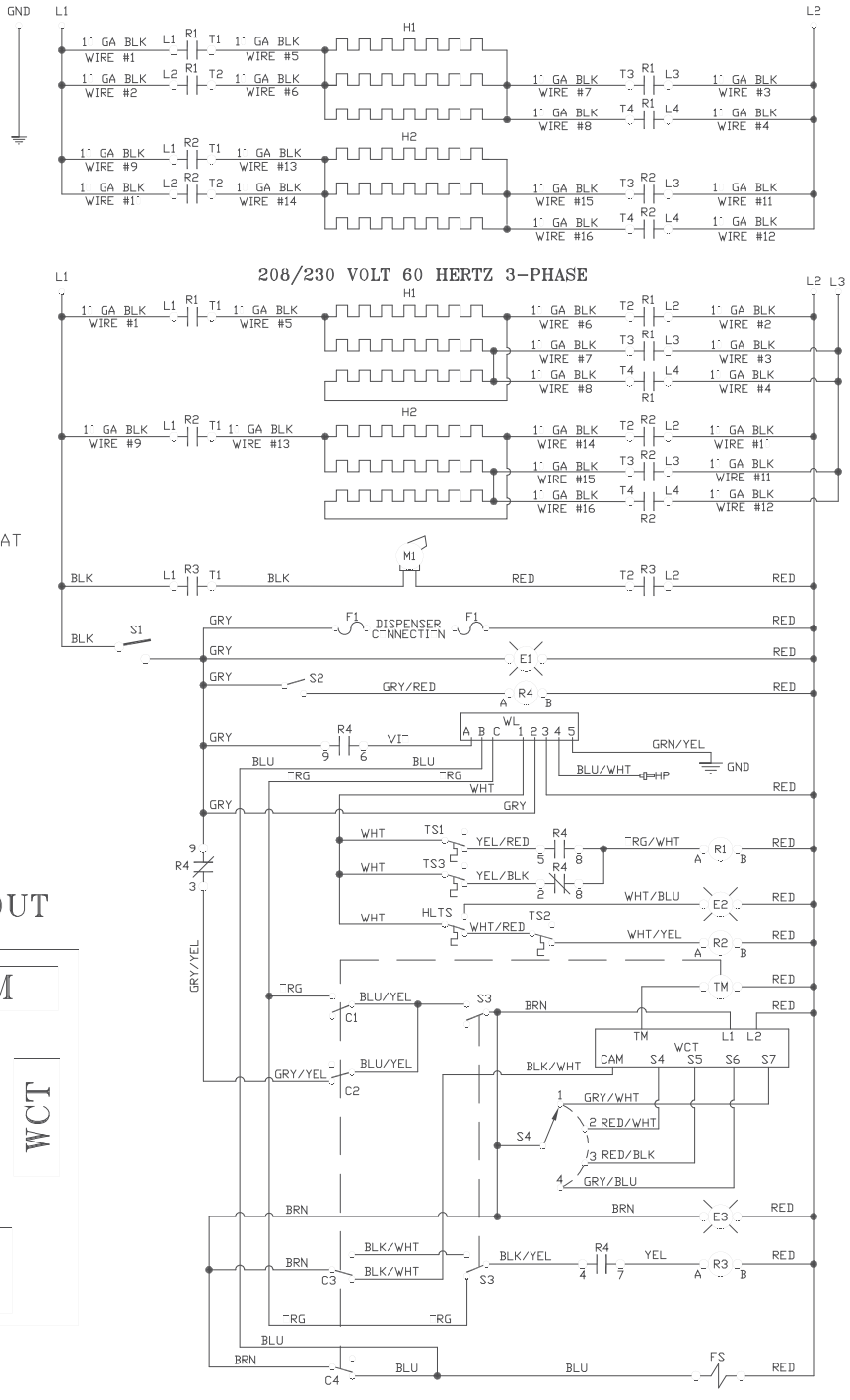


LEGEND

H1	RINSE HEATER
H2	WASH HEATER
M1	WASH M~T~R
R1	RINSE HEATER C~NTACT~R
R2	WASH HEATER C~NTACT~R
R3	WASH M~T~R C~NTACT~R
R4	C~NTR~L RELAY
F1	DISPENSER FUSE BL~CK
S1	P~WER SWITCH
S2	D~~R SWITCH
S3	AUT~/MANUAL (DELIME) SWITCH
S4	CYCLE SELECT~R SWITCH
C1	CYCLE SWITCH
C2	AUT~ START RESET SWITCH
C3	WASH CYCLE SWITCH
C4	RINSE/FILL SWITCH
E1	P~WER LIGHT
E2	HEATER ~VERL~AD LIGHT
E3	CYCLE LIGHT
HLTS	WASH HEATER HIGH LIMIT THERM~STAT
TS1	RINSE HEATER THERM~STAT 1
TS2	WASH HEATER THERM~STAT
TS3	RINSE HEATER THERM~STAT 2
GND	GR~UND
HP	HIGH WATER LEVEL PR~BE
WL	WATER LEVEL C~NTR~L
TM	TIMER M~T~R
FS	RINSE/FILL S~LEN~ID
WCT	WASH CYCLE TIMER

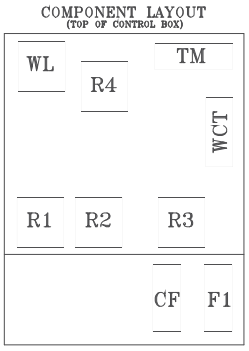
COMPONENT LAYOUT
(TOP OF CONTROL BOX)

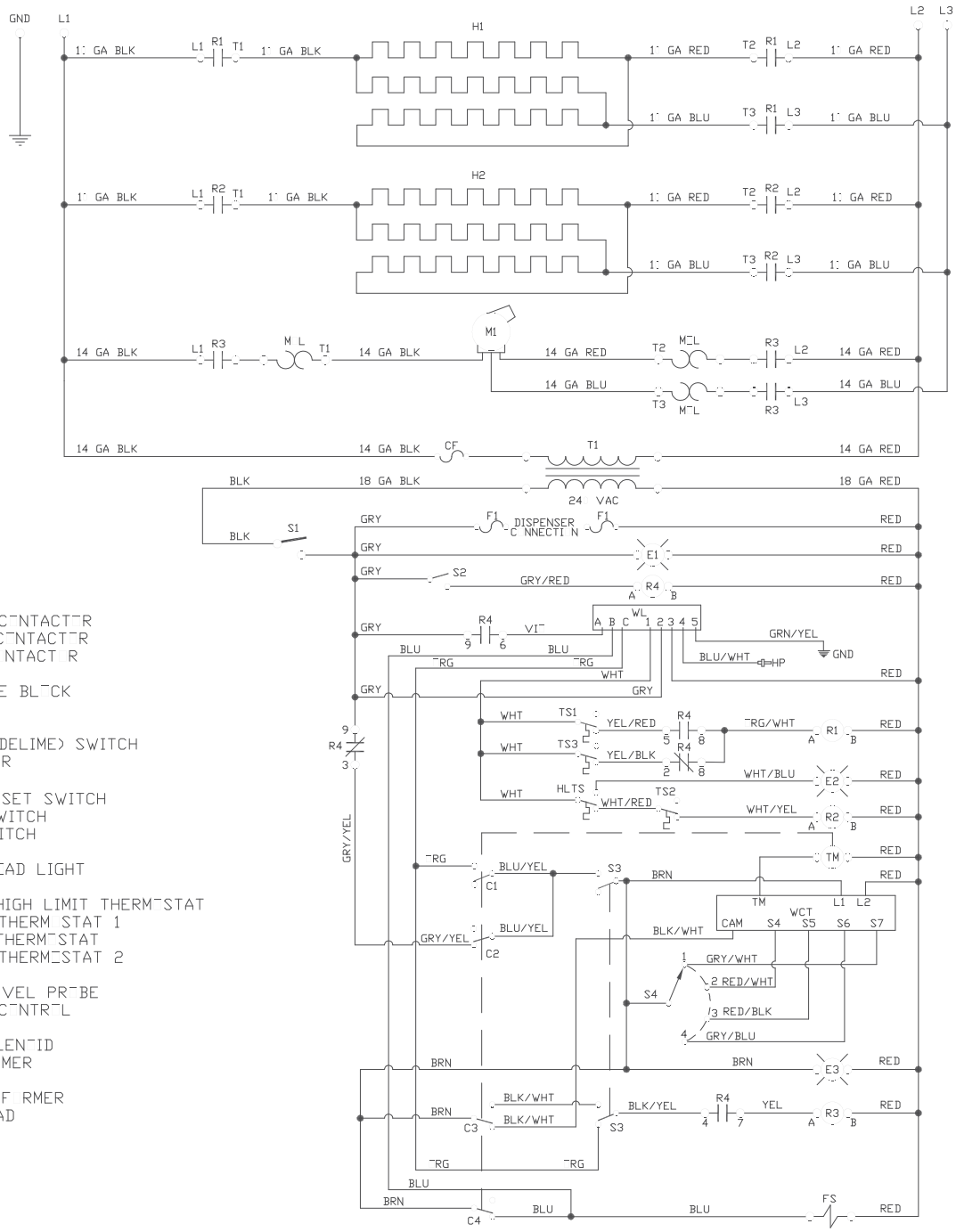




SECTION 6: ELECTRICAL SCHEMATICS

Tempstar HH 460 VOLT - 60 HERTZ - THREE PHASE





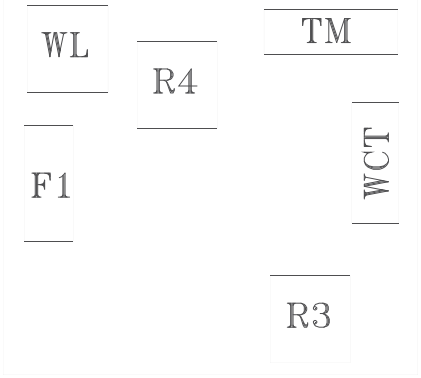
LEGEND

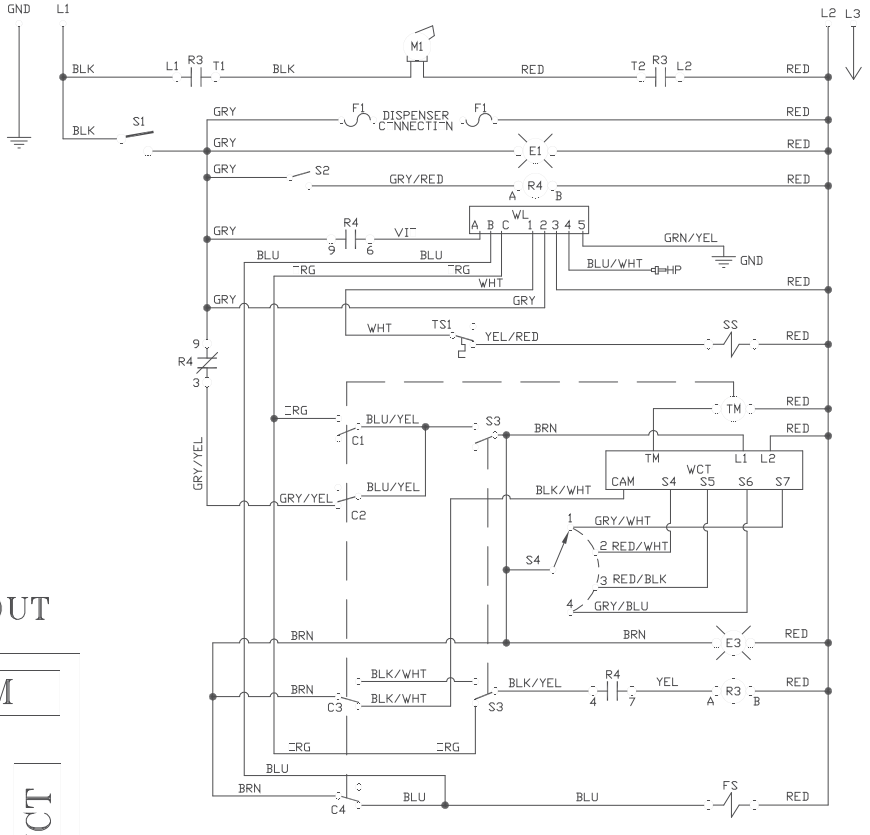
H1	RINSE HEATER
H2	WASH HEATER
M1	WASH MOTOR
R1	RINSE HEATER CONTACTOR
R2	WASH HEATER CONTACTOR
R3	WASH MOTOR CONTACTOR
R4	CONTROL RELAY
F1	DISPENSER FUSE BLOCK
S1	POWER SWITCH
S2	DOOR SWITCH
S3	AUTO/MANUAL (DELIME) SWITCH
S4	CYCLE SELECTOR
C1	CYCLE SWITCH
C2	AUTO START RESET SWITCH
C3	WASH CYCLE SWITCH
C4	RINSE/FILL SWITCH
E1	POWER LIGHT
E2	HEATER OVERLOAD LIGHT
E3	CYCLE LIGHT
HLTS	WASH HEATER HIGH LIMIT THERMOSTAT
TS1	RINSE HEATER THERMOSTAT 1
TS2	WASH HEATER THERMOSTAT
TS3	RINSE HEATER THERMOSTAT 2
GND	GROUND
HP	HIGH WATER LEVEL PROBE
WL	WATER LEVEL CONTROL
TM	TIMER MOTOR
FS	RINSE/FILL SOLENOID
WCT	WASH CYCLE TIMER
CF	CONTROL FUSE
T1	CONTROL TRANSFORMER
MOL	MOTOR OVERLOAD

LEGEND

L1 L2 L3	POWER DISTRIBUTION BLOCK
M1	WASH MOTOR
R3	WASH MOTOR CONTACTOR
R4	CONTROL RELAY
F1	DISPENSER FUSE BLOCK
S1	POWER SWITCH
S2	DOOR SWITCH
S3	AUTO/MANUAL (DELIME) SWITCH
S4	CYCLE SELECTOR
C1	CYCLE SWITCH
C2	AUTO START RESET SWITCH
C3	WASH CYCLE SWITCH
C4	RINSE/FILL SWITCH
E1	POWER LIGHT
E3	CYCLE LIGHT
TS1	STEAM THERMOSTAT
GND	GROUND
HP	HIGH WATER LEVEL PROBE
WL	WATER LEVEL CONTROL
TM	TIMER MOTOR
FS	RINSE/FILL SOLENOID
SS	STEAM SOLENOID
WCT	WASH CYCLE TIMER

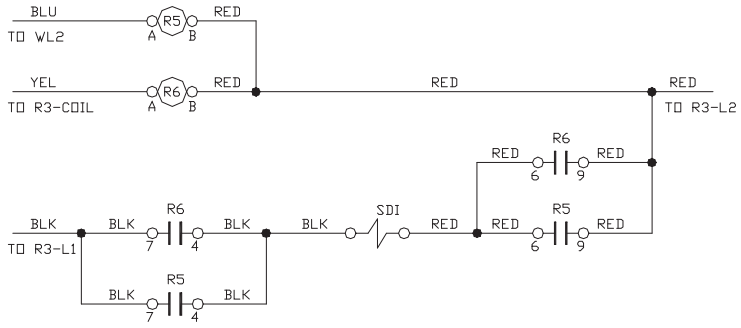
COMPONENT LAYOUT
(TOP OF CONTROL BOX)





SECTION 6C:
ELECTRICAL SCHEMATICS
FOR OPTIONS

TEMPSTAR SDI OPTION

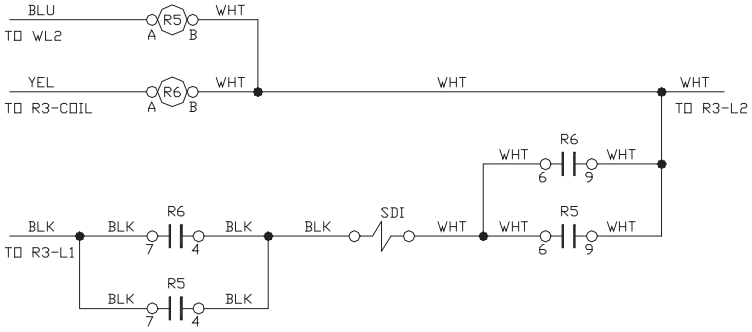


LEGEND

R5 RINSE RELAY
R6 WASH RELAY
SDI SAFETY DOOR INTERLOCK SOLENOID

09905-002-35-85a

TEMPSTAR SDI OPTION

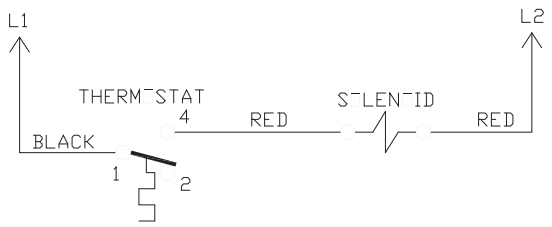


LEGEND

R5 RINSE RELAY
R6 WASH RELAY
SDI SAFETY DOOR INTERLOCK SOLENOID

09905-002-55-78a

DRAIN QUENCH SYSTEM



CONNECT BLACK WIRE TO MOTOR CONTACTOR - L1 WITH PIGGYBACK TERMINAL PROVIDED

CONNECT WHITE WIRE TO MOTOR CONTACTOR - L2 WITH PIGGYBACK TERMINAL PROVIDED

SECTION 7:
JACKSON MAINTENANCE & REPAIR CENTERS

SECTION 7: JACKSON MAINTENANCE & REPAIR CENTERS

ALABAMA TO FLORIDA

ALABAMA

JONES-McLEOD APPLIANCE SVC
1616 7TH AVE. NORTH
BIRMINGHAM, AL 35203
(205) 251-0159
800-821-1150
FAX: (205) 322-1440
service@jones-mcleod.com

JONES-McLEOD APPLIANCE SVC
854 LAKESIDE DRIVE
MOBILE, AL 36693
(251) 666-7278
800-237-9859
FAX: (251) 661-0223

ALASKA

RESTAURANT APPLIANCE SERVICE
7219 ROOSEVELT WAY NE
SEATTLE, WA 98115
(206) 524-8200
800-433-9390
FAX: (206) 525-2890
info@restappl.com

ARIZONA

AUTHORIZED COMMERCIAL FOOD EQMT. SVC
4832 SOUTH 35TH STREET
PHOENIX, AZ 85040
(602) 234-2443
800-824-8875
FAX: (602) 232-5862
acsboss@aol.com

GCS SERVICE INC.
PHOENIX, AZ
(602) 474-4510
800-510-3497
FAX: (602) 470-4511

ARKANSAS

BROMLEY PARTS & SVC
10TH AND RINGO
P.O. BOX 1688
LITTLE ROCK, AR 72202
(501) 374-0281
800-482-9269
FAX: (501) 374-8352
service@bromleyparts.com
parts@bromleyparts.com

GCS SERVICE,INC.
3717 CHERRY ROAD
MEMPHIS, TN 38118
(901) 366-4587
800-262-9155
FAX: (901) 366-4588

CALIFORNIA

BARKERS FOOD MACHINERY SERVICES
5367 SECOND STREET
IRWINDALE, CA 91706
(626) 960-9390
800-258-6999
FAX: (626) 337-4541
service@barkers.com

GCS SERVICE INC.
LOS ANGELES, CA
(213) 683-2090
800-327-1433
FAX: (213) 683-2099

GCS SERVICE INC.
SANTA ANA, CA
(714) 542-1798
800-540-0719
FAX: (714) 542-4787

GCS SERVICE INC.
S. SAN FRANCISCO, CA
(650) 635-0720
800-969-4427
FAX: (650) 871-4019

COMMERCIAL APPLIANCE SERVICE, INC.
6507 PACIFIC AVENUE, SUITE 102
STOCKTON, CA 95207
(916) 567-0203
(800) 464-2222
(916) 567-0266 FAX

GCS SERVICE INC.
SAN DIEGO, CA
(858) 549-8411
800-422-7278
FAX: (858) 549-2323

INDUSTRIAL ELECTRIC SVC.
5662 ENGINEER DRIVE
HUNTINGTON BEACH, CA 92649
(714) 379-7100
(800-457-3783
FAX: (714) 379-7109

P & D APPLIANCE SVC
100 SOUTH LINDEN AVE.
S. SAN FRANCISCO, CA 94080
(650) 635-1900
800-424-1414
FAX: (650) 635-1919
pndappl@aol.com

P & D APPLIANCE
4220-C ROSEVILLE ROAD
NORTH HIGHLANDS, CA 95660
(916) 974-2772
800-824-7219
FAX:(916) 974-2774

COMMERCIAL APPLIANCE SERVICE, INC.
281 LATHROP WAY, #100
SACRAMENTO, CA 95815
(916) 567-0203
(800) 464-2222
(916) 567-0324 FAX

COLORADO

GCS SERVICE INC.
SHERIDAN, CO
(303) 371-9054
800-972-5314
FAX: (303) 371-4754

HAWKINS COMMERCIAL APPLIANCE SERVICE
3000 S. WYANDOT ST.
ENGLEWOOD, CO 80110
(303) 781-5548
(800) 624-2117
FAX: (303) 761-5561
johns@hawkinscommercial.com

METRO APPLIANCE SERVICE
1640 S BROADWAY
DENVER, CO 80210
(303) 778-1126
800-525-3532
FAX: (303) 778-0268
metroappls@aol.com

CONNECTICUT

GCS SERVICE INC.
HARTFORD, CT
(860) 549-5575
800-423-1562
FAX: (860) 527-6355

SUPERIOR KITCHEN SERVICE INC.
22 THOMPSON ROAD
WINDSOR, CT 06088
(888) 590-1899
(888) 590-1996 FAX

DELAWARE

FOOD SERVICE EQMT.
2101 PARKWAY SOUTH
BROOMALL, PA 19008
(610) 356-6900
FAX: (610) 356-2038
dancerule@aol.com

GCS SERVICE INC.
PHILADELPHIA, PA
(215)925-6217
800-441-9115
FAX: (215) 925-6208

ELMER SCHULTZ SERVICE
36 BELMONT AVE.
WILLMINGTON, DE 19804
(302) 655-8900
800-225-0599
FAX: (302) 656-3673
elmer2@erols.com

EMR SERVICE DIVISION
106 WILLIAMSPORT CIRCLE
SALISBURY, MD 21804
(410) 543-8197
FAX: (410) 548-4038

FLORIDA

COMMERCIAL APPLIANCE SERVICE
8416 LAUREL FAIR CIRCLE
BLDG 6, SUITE 114
TAMPA, FL 33610
(813) 663-0313
800-282-4718
FAX: (813) 663-0212
commercialappliance@world-net.att.net

GCS SERVICE INC
MIAMI, FL
(305) 621-6666
800-766-8966
FAX: (305) 621-6656

GCS SERVICE INC
ORLANDO, FL
(407) 841-2551
800-338-7322
FAX: (407) 423-8425

NASS PARTS AND SERVICE, INC.
1144 BELVILLE ROAD, UNIT 359
DAYTONA BEACH, FL 32114
(386) 226-2642
(800) 432-2795
(386) 736-7695 FAX

GCS SERVICE INC
TAMPA, FL
(813) 626-6044
800-282-3008
FAX: (813) 621-1174

SECTION 7: JACKSON MAINTENANCE & REPAIR CENTERS

FLORIDA TO MARYLAND

JONES-McLEOD APPLIANCE SVC
854 LAKESIDE DRIVE
MOBILE, AL 36693
(251) 666-7278
800-237-9859
FAX: (251) 661-0223
service@jones-mcleod.com

NASS PARTS AND SERVICE, INC.
1108 SOUTH WOODS AVENUE
ORLANDO, FL 32805
(407) 425-2681
(800) 432-2795
(407) 425-3463 FAX

NASS PARTS AND SERVICE, INC.
1376 HEIDE AVENUE
PALM BAY, FL 32907
(321) 952-2012
(800) 432-2795
(321) 953-0266 FAX

GEORGIA

GCS SERVICE INC
ATLANTA, GA
(770) 452-7322
800-334-3599
FAX: (770) 452-7473

HERITAGE FOODSERVICE GROUP OF ATLANTA
2100 NORCROSS PKWY.
SUITE 130
NORCROSS, GA 30071
(770) 368-1465
866-388-9837
FAX: (866) 388-9838

WHALEY FOODSERVICE REPAIRS
109-A OWENS INDUSTRIAL DRIVE
SAVANNAH, GA 31405
(912) 447-0827
888-765-0036
FAX: (912) 447-0826

PIERCE PARTS & SERVICE
2422 ALLEN ROAD
MACON, GA 31216
(478) 781-6003
800-368-2512
FAX: (478) 781-7186

HAWAII

FOOD EQMT. PARTS & SERVICE CO.
300 PUUHALE RD.
HONOLULU, HI 96819
(808) 847-4871
FAX: (808) 842-1560
fepsco@hula.net

IDAHO

RESTAURANT APPLIANCE SVC.
7219 ROOSEVELT WAY NE
SEATTLE, WA 98115
(206) 524-8200
800-433-9390
FAX: (206) 525-2890
info@restappl.com

RON'S SERVICE
703 E 44TH STREET STE 10
GARDEN CITY, ID 83714
(208) 375-4073
FAX: (208) 375-4402

ILLINOIS

CONES REPAIR SVC.
2408 40TH AVE.
MOLINE, IL 61265
(309) 797-5323
800-716-7070
FAX: (309)797-3631
jackb@cones.com

EICHENAUER SERVICES INC.
130 S OAKLAND ST.
DECATUR, IL 62522
(217) 429-4229
800-252-5892
FAX: (217) 429-0226
esi@esiquality.com

GCS SERVICE INC.
ELMHURST, IL
(630) 941-7800
800-942-9689
FAX: (630) 941-6048

GCS SERVICE INC.
ST. LOUIS, MO
(314) 683-7444
800-284-4427
FAX: (314) 638-0135

GENERAL PARTS, INC.
248 JAMES STREET
BENSONVILLE, IL 60106
(630) 595-3300
(800) 880-3604
FAX: (630)595-0006

INDIANA

GCS SERVICE INC.
INDIANAPOLIS, IN
(317) 545-9655
800-727-8710
FAX: (317) 549-6286

B622 LA PAS TRAIL
INDIANAPOLIS, IN 46268
(317) 290-8060
(800) 410-9794
(317) 290-8085 FAX

IOWA
GOODWIN TUCKER GROUP

2900 DELAWARE AVENUE
DES MOINES, IA 50317
(515) 262-9308
800-372-6066
FAX: (515) 262-2936
parts@goodwintucker.com

CONES REPAIR SVC.
1056 27TH AVENUE SW
CEDAR RAPIDS, IA 52404
(319) 365-3325
800-747-3326
FAX: (319) 365-0885

KANSAS

GCS SERVICE INC.
KANSAS CITY, MO
(816) 920-5999
800-229-6477
FAX: (816) 920-7387

GENERAL PARTS, INC.
1101 E. 13TH STREET
KANSAS CITY, MO 64106
(816) 421-5400
(800) 279-9967
(816) 421-1270 FAX

KENTUCKY

CERTIFIED SERVICE CENTER
127 DISHMAN LANE
BOWLING GREEN, KY 42101
(270) 783-0012
(877) 907-0012
FAX: (270) 783-0058

CERTIFIED SERVICE CENTER RAMCO BUSINESS PARK
4283 PRODUCE ROAD
LOUISVILLE, KY 40218
(502) 964-7007
800-637-6350
FAX: (502) 964-7202
cwalker@certifiedsc.com
droenigk@certifiedsc.com

CERTIFIED SERVICE CENTER
1051 GOODWIN DRIVE
LEXINGTON, KY 40505
(606) 254-8854
800-432-9269
FAX: (606) 231-7781
jatkins@certifiedsc.com

GCS SERVICE INC.
LOUISVILLE, KY
(502) 367-1788
800-752-6160
FAX: (502) 367-0400

GCS SERVICE INC.
LEXINGTON, KY
(606) 255-0746
800-432-9260
FAX: (606) 255-0748

LOUISIANA

HERITAGE SERVICE GROUP
1532 RIVER OAKS WEST
NEW ORLEANS, LA 70123
(504) 734-8864
(800) 499-2351
(504) 733-2559 FAX

MAINE

GCS SERVICE INC.
CHELSEA, MA
(617) 889-9393
800-225-1155
FAX: (617) 889-1222

MASSACHUSETTS RESTAURANT SUPPLY
34 SOUTH STREET
SOMERVILLE, MA 02143
(617) 868-1930
800-338-6737
FAX: (617) 686-5331

PINE TREE FOOD EQUIPMENT
175 LEWISTON ROAD
GRAY, ME 04039
(207) 657-6400
(800) 540-5427
(207) 657-5464 FAX

MARYLAND

EMR SERVICE DIVISION
700 EAST 25TH STREET
BALTIMORE, MD 21218
(410) 467-8080
800-879-4994
FAX: (410) 467-4191
baltparts@emrco.com

SECTION 7: JACKSON MAINTENANCE & REPAIR CENTERS

MARYLAND TO NEW YORK

EMR SERVICE DIVISION
106 WILLIAMSPORT CIRCLE
SALISBURY, MD 21804
(410) 543-8197
888-687-8080
FAX: (410) 548-4038
baltparts@emrco.com

EMR SERVICE DIVISION
5316 Sunnyside Ave.
Beltsville, MD 20715
(301) 931-7000
800-348-2365
FAX: (301) 931-3060
baltparts@emrco.com

GCS SERVICE INC.
SILVER SPRING, MD
(301) 585-7550 (DC)
(410) 792-0338 (BALT)
(800) 638-7278
FAX: (301) 495-4410

MASSACHUSETTS

ACE SERVICE CO.
95 HAMPTON AVE.
NEEDHAM, MA 02494
(781) 449-4220
800-225-4510 MA & NH
FAX: (781) 444-4789
taceservice@aol.com

MASSACHUSETTS RESTAURANT SUPPLY
34 SOUTH STREET
SOMERVILLE, MA 02143
(617) 868-1930
800-338-6737
FAX: (617) 868-5331

GCS SERVICE INC.
CHELSEA, MA
(617) 889-9393
800-225-1155
FAX: (617) 889-1222

GCS SERVICE INC.
HARTFORD, CT
(860) 549-5575
800-723-1562
FAX: (860) 527-6355

SUPERIOR KITCHEN SERVICE INC.
399 FERRY STREET
EVERETT, MA 02149
(617) 389-1899
(888) 590-1899
(617) 389-1996 FAX

MICHIGAN

GCS SERVICE INC.
LIVONIA, MI
(248) 426-9500
800-772-2936
FAX: (248) 426-7555

JACKSON SERVICE COMPANY
3980 BENSTEIN RD.
COMMERCE TWSHP, MI 48382
(248) 363-4159
800-332-4053
FAX: (248) 363-5448

GCS SERVICE INC.
GRAND RAPIDS, MI
(616) 241-0200
800-823-4866
FAX: (616) 241-0541

MINNESOTA

GCS SERVICE INC.
MINNEAPOLIS, MN
(612) 546-4221
800-345-4221
FAX: (612) 546-4286

GENERAL PARTS, INC.
11311 HAMPSHIRE AVENUE SOUTH
BLOOMINGTON, MN 55438-2456
(952) 944-5800
(800) 279-9980
(800) 279-9980 FAX

MISSISSIPPI

GCS SERVICE INC.
JACKSON, MS
(601) 956-7800
800-274-5954
FAX: (601) 956-1200

GCS SERVICE INC.
MEMPHIS, TN
(901) 366-4587
800-262-9155
FAX: (901) 366-4588

MISSOURI

GCS SERVICE INC.
KANSAS CITY, MO
(816) 920-5999
800-229-6477
FAX: (816) 920-7387

GCS SERVICE INC.
ST. LOUIS, MO
(314) 638-7444
800-284-4427
FAX: (314) 638-0135

KAEMMERLIN PARTS & SVC.
2728 LOCUST STREET
ST. LOUIS, MO 63103
(314) 535-2222
FAX: (314) 535-6205
petek@kps.stl.com

GENERAL PARTS, INC.
1101 EAST 13TH STREET
KANSAS CITY, MO 64106
(816) 421-5400
(800) 279-9967
(816) 421-1270 FAX

MONTANA

RESTAURANT APPLIANCE SVC.
7219 ROOSEVELT WAY NE
SEATTLE, WA 98115
(206) 524-8200
800-433-9390
FAX: (206) 525-2890
info@restappl.com

NEBRASKA

GOODWIN - TUCKER GROUP
7535 D STREET
OMAHA, NE 68124
(402) 397-2880
800-228-0342
FAX: (402) 397-2881
askme@goodwintucker.com

NEVADA

HI TECH COMMERCIAL SERVICE
1840 STELLA LAKE STREET
NORTH LAS VEGAS, NV 89106
(702) 649-4616
(877) 924-4832
FAX: (702) 649-4607
larry@hitechnv.com

5454 LOUIE LANE
RENO, NV 89511
(775) 852-9696
FAX: (775) 852-5104

GCS SERVICE INC.
LAS VEGAS, NV
(702) 450-3495
800-500-9060
FAX: (702) 450-3491

NEW HAMPSHIRE

GCS SERVICE INC.
CHELSEA, MA
(617)889-9393
800-225-1155
FAX: (617) 889-1222

ACE SERVICE CO.
95 HAMPTON AVE.
NEEDHAM, MA 02494
(781) 449-4220
800-225-4510 MA & NH
FAX: (781) 444-4789
taceservice@aol.com

MASSACHUSETTS RESTAURANT SUPPLY
34 SOUTH STREET
SOMERVILLE, MA 02143
(617) 868-1930
800-338-6737
FAX: (617) 868-5331

NEW JERSEY

JAY HILL REPAIRS
90 CLINTON RD.
FAIRFIELD, NJ 07004
(973) 575-9145
800-836-0643
FAX: (973) 575-5890
jhrepair@aol.com

GCS SERVICE INC.
EAST RUTHERFORD, NJ
(973) 614-0003
800-399-8294
FAX: (973) 614-0230

GCS SERVICE INC.
PHILADELPHIA, PA
(215) 925-6217
800-441-9115
FAX: (215) 925-6208

ELMER SCHULTZ SERVICES
201 W. WASHINGTON AVE.
PLEASANTVILLE, NJ 08232
(609) 641-0317
800-378-1641
FAX:(609) 641-8703
elmer2@erols.com

NEW YORK

APPLIANCE INSTALLATION AND SERVICE CORP.
1336 MAIN STREET
BUFFALO, NY 14209
(716) 884-7425
800-722-1252
FAX: (716) 884-0410
ais@worldnet.att.net

SECTION 7: JACKSON MAINTENANCE & REPAIR CENTERS

NEW YORK TO PENNSYLVANIA

B.E.S.T. INC.
3003 GENESEE STREET
BUFFALO, NY 14225
(716) 893-6464
800-338-5011
FAX: (716) 893-6466
bestserv@aol.com

DUFFY'S EQUIPMENT SVC.
3138 ONEIDA STREET
SAUQUOIT, NY 13456
(315) 737-9401
800-443-8339
FAX: (315) 737-7132
duffyequip@aol.com

NORTHERN PARTS & SVC.
21 NORTHERN AVENUE
PLATTSBURGH, NY 12903
(518) 563-3200
800-634-5005
FAX: (800) 782-5424
info@northernparts.com

GCS SERVICE INC.
BROOKLYN, NY
(718) 486-5220
800-969-4271
FAX: (718) 486-6772

ALL SERVICE KITCHEN
EQUIPMENT REPAIR
10 CHARLES ST.
NEW HYDE PARK, NY 11040
(516) 378-1176
FAX: (516) 378-1735

ALL ISLAND REPAIRS
40-9 BURT DRIVE
DEER PARK, NY 11729
(631) 242-5588
FAX: (631) 242-6102

NORTH CAROLINA

AUTHORIZED APPLIANCE
SERVICECENTER
1020 TUCKASEEGEE RD.
CHARLOTTE, NC 28208
(704) 377-4501
(800) 532-6127
FAX:(704) 377-4504

AUTHORIZED APPLIANCE
SERVICECENTER
800 N. PERSON ST.
RALEIGH, NC 27604
(919) 834-3476
FAX:(919) 834-3477

AUTHORIZED APPLIANCE SERVICECENTER
904 S. MARSHALL ST.
WINSTON-SALEM, NC 27403
(336) 725-5396
FAX:(336) 721-1289

AUTHORIZED APPLIANCE SERVICECENTER
104 HINTON AVE.
WILMINGTON, NC 28403
(910) 313-1250
FAX:(910) 313-6130

WHALEY FOODSERVICE
8334-K ARROWRIDGE BLVD
CHARLOTTE, NC 28273
(704) 529-6242
FAX: (704) 529-1558
info@whaleyfoodservice.com

WHALEY FOODSERVICE REPAIRS
203-D CREEK RIDGE RD.
GREENSBORO, NC 27406
(336) 333-2333
FAX: (336) 333-2533
info@whaleyfoodservice.com

WHALEY FOODSERVICE REPAIRS
335-105 SHERWEE DRIVE
RALEIGH, NC 27603
(919) 779-2266
FAX: (919) 779-2224
info@whaleyfoodservice.com

WHALEY FOODSERVICE REPAIRS
6418-101 AMSTERDAM WAY
WILMINGTON, NC 28405
(910) 791-0000
FAX: (910) 791-6662
info@whaleyfoodservice.com

NORTH DAKOTA

GCS SERVICE INC.
MINNEAPOLIS, MN
(612) 546-4221
800-345-4221
FAX: (612) 546-4286

GENERAL PARTS, INC.
10 SOUTH 18TH STREET
FARGO, ND 58103
(701) 235-4161
(800) 279-9987
(701) 235-0539 FAX

OHIO

CERTIFIED SERVICE CENTER
890 REDNA TERRACE
CINCINNATI, OH 45215
(513) 772-6600
800-543-2060
FAX: (513) 612-6600
sbarasch@certifiedsc.com

CERTIFIED SERVICE CENTER
171J-K NORTH HAMILTON RD.
COLUMBUS, OH 43213
(614) 751-3769
(866) 862-1252
FAX: (614) 751-5792
jadkins@certifiedsc.com

CERTIFIED SERVICE CENTER
6025 N. DIXIE DRIVE
DAYTON, OH 45414
(937) 898-4040
(800) 257-2611
FAX: (937) 898-4177
dharvey@certifiedsc.com

COMMERCIAL PARTS & SVC. OF COLUMBUS
5033 TRANSAMERICA DRIVE
COLUMBUS, OH 43228
(614) 221-0057
800-837-8327
FAX: (614) 221-3622

GCS SERVICE INC.
COLUMBUS, OH
(614) 476-3225
800-282-5406
FAX: (614) 476-1196

ELECTRICAL APPLIANCE REPAIR SVC.
5805 VALLEY BELT ROAD
CLEVELAND, OH 44131
(216) 459-8700
800-621-8259
FAX: (216) 459-8707
tomr@electapplrep.com

OKLAHOMA

HAGAR RESTAURANT EQMT.
1229 W MAIN STREET
OKLAHOMA CITY, OK 73106
(405) 235-2184
800-445-1791
FAX: (405) 236-5592

OREGON

RON'S SERVICE
16364 SW 72ND AVE
PORTLAND, OR 97224
(503) 624-0890
800-851-4118
FAX: (503) 684-6107
lrobinson@ronsservice.com

PENNSYLVANIA

A.I.S. COMMERCIAL PARTS & SERVICE
1816 WEST 26TH STREET
ERIE, PA 16508
(814) 456-3732
800-332-3732
FAX: (814) 452-4843
aiserie@aol.com

ELMER SCHULTZ SVC.
540 NORTH 3RD STREET
PHILADELPHIA, PA 19123
(215) 627-5400
FAX: (215) 627-5408
elmer2@erols.com

GCS SERVICE INC.
PHILADELPHIA, PA
(215) 925-6217
800-441-9115
FAX: (215) 925-6208

GCS SERVICE INC.
HARRISBURG, PA
(717) 564-3282
800-367-3225
FAX: (717) 564-9286

GCS SERVICE INC.
PITTSBURGH, PA
(412) 787-1970
800-738-1221
FAX: (412) 787-5005

K & D PARTS AND SERVICE CO.
1833-41 N CAMERON STREET
HARRISBURG, PA 17103
(717) 236-9039
800-932-0503
FAX: (717) 238-4367
kdparts-service@paonline.com

CLARK SERVICE & PARTS
306 AIRPORT DRIVE
BOX 10
SMOKETOWN, PA 17576
(717) 392-5590
(717) 392-5735

SECTION 7: JACKSON MAINTENANCE & REPAIR CENTERS

RHODE ISLAND TO WISCONSIN

RHODE ISLAND

GCS SERVICE INC.
EAST PROVIDENCE, RI
(401) 434-6803
800-462-6012
FAX: (401) 438-9400

SUPERIOR KITCHEN SERVICE INC.
669 ELMWOOD AVENUE
PROVIDENCE, RI 02907
(888) 590-1899
(401) 781-1996 FAX

SOUTH CAROLINA

AUTHORIZED APPLIANCE SERVICECENTER
1811 TAYLOR ST.
COLUMBIA, SC 29202
(803) 254-8414
FAX: (803) 254-5146

AUTHORIZED APPLIANCE SERVICECENTER
2249 AUGUSTA RD.
GREENVILLE, SC 29605
(864) 235-9616
FAX: (864) 235-9623

WHALEY FOODSERVICE REPAIRS
I 26&US1
P.O. BOX 4023
WEST COLUMBIA, SC 29170
(803) 791-4420
800-877-2662
FAX: (803) 794-4630
info@whaleyfoodservice.com

WHALEY FOODSERVICE REPAIRS
748 CONGAREE ROAD
GREENVILLE, SC 29607
(864) 234-7011
800-494-2539
FAX: (864) 234-6662
info@whaleyfoodservice.com

WHALEY FOODSERVICE REPAIRS
1406-C COMMERCE PL.
MYRTLE BEACH, SC 29577
(843) 626-1866
FAX: (843) 626-2632
info@whaleyfoodservice.com

WHALEY FOODSERVICE REPAIRS
4740-A FRANCHISE STREET
N. CHARLESTON, SC 29418
(843) 760-2110
FAX: (843) 760-2255
info@whaleyfoodservice.com

SOUTH DAKOTA

GCS SERVICE INC.
MINNEAPOLIS, MN
(612) 546-4221
800-345-4221
FAX: (612) 546-4286

GENERAL PARTS, INC.
10 SOUTH 18TH STREET
FARGO, ND 58103
(701) 235-4161
(800) 279-9987
(701) 235-0539 FAX

TENNESSEE

GCS SERVICE INC.
MEMPHIS, TN
(901) 366-4587
800-262-9155
FAX: (901) 366-4588

GCS SERVICE INC.
NASHVILLE, TN
(615) 244-8050
800-831-7174
FAX: (615) 244-8885

TEXAS

ARMSTRONG REPAIR CENTER
5110 GLENMOUNT DRIVE
HOUSTON, TX 77081
(713) 666-7100
800-392-5325
FAX: (713) 661-0520
gm@armstrongrepair.com

COMMERCIAL KITCHEN REPAIR CO.
1377 N BRAZOS
P.O BOX 831128
SAN ANTONIO, TX 78207
(210) 735-2811
800-292-2120
FAX: (210) 735-7421
brock@commercialkitchen.com

GCS SERVICE INC.
DALLAS, TX
(972) 484-2954
800-442-5026
FAX: (972) 484-2531

GCS SERVICE INC.
HOUSTON, TX
(713)785-9187
800-868-6957
FAX: (713) 785-3979

GCS/STOVE PARTS
2120 SOLANA STREET
FORT WORTH, TX 76117
(817) 831-0381
800-433-1804
FAX: (817) 834-7754
bud@stoveparts.com

UTAH

LA MONICA'S RESTAURANT EQMT. SVC.
6182 SOUTH STRATLER AVENUE
MURRAY, UT 84107
(801) 263-3221
800-527-2561
FAX: (801) 263-3229
lamonica81@aol.com

VERMONT

NORTHERN PARTS & SVC.
4874 S. CATHERINE STREET
PLATTSBURGH, NY 12901
(518) 563-3200
800-634-5005
FAX: (800) 782-5424
info@northernparts.com

GCS SERVICE INC.
CHELSEA, MA
(617)889-9393
800-225-1155
FAX: (617) 889-1222

VIRGINIA

DAUBERS, INC.
7645 DYNATECH COURT
SPINGFIELD, VA 22153
(703) 866-3600
800-554-7788
FAX: (703) 866-4071
daubers@aol.com

GCS SERVICE INC.
SILVER SPRING, MD
(301) 585-7550(DC)
(410) 792-0388(BALT)
800-638-7278
FAX: (301)495-4410

GCS SERVICE INC.
RICHMOND, VA
(804) 672-1700
800-899-5949
FAX: (804) 672-2888

GCS SERVICE INC.
VIRGINIA BEACH, VA
(757) 464-3500
800-476-4278
FAX: (757) 464-4106

WASHINGTON

GCS SERVICE INC.
SEATTLE, WA
(206) 763-0353
800-211-4274
FAX: (206) 763-5943

RESTAURANT APPLIANCE SERVICE
7219 ROOSEVELT WAY, NE
SEATTLE, WA 98115
(206) 524-8200
800-433-9390
FAX: (206) 525-2890
info@restappl.com

WEST VIRGINIA

STATEWIDE SERVICE, INC.
603 MAIN AVE.
NITRO, WV 25143
(304) 755-1811
(800) 441-9739
FAX: (304) 755-4001
sws3182@aol.com

WISCONSIN

APPLIANCE SERVICE CENTER, INC.
2439 ATWOOD AVE
MADISON, WI 53704
(608) 246-3160
800-236-7440
FAX: (608) 246-2721
ascmad@execpc.com

APPLIANCE SERVICE CENTER, INC.
6843 W. BELOIT RD.
WEST ALLIS, WI 53219
(414) 543-6460
800-236-6460
FAX: (414) 543-6480
ascmil@execpc.com

APPLIANCE SERVICE CENTER
786 MORRIS AVE
GREEN BAY, WI 54304
(920) 496-9993
800-236-0871
FAX: (920) 496-9927
ascfox@execpc.com

GENERAL PARTS, INC.
W223 N735 SARATOGA DRIVE
WAUKESHA, WI 53186
(262) 650-6666
(800) 279-9946
(262) 650-6660 FAX

WYOMING

HAWKINS COMMERCIAL APPLIANCE SERVICE
3000 S. WYANDOT ST.
ENGLEWOOD, CO 80110
(303) 781-5548
(800) 624-2117
FAX: (303) 761-5561
johns@hawkinscommercial.com

METRO APPLIANCE SERVICE
1640 S BROADWAY
DENVER, CO 80210
(303) 778-1126
800-525-3532
FAX: (303) 778-0268
metroappls@aol.com

INTERNATIONAL

GLOBAL PARTS AND SUPPLY
7758 NW 72ND ST
MIAMI, FL 33166
(305) 885-6353

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NEW YORK, NY 10003
(212) 627-1759
(212) 924-6920

CANADA

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